

LETTER OF TRANSMITTAL

2774 East Walnut Street
Pasadena, California 91107

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TO:

Ms. Marla D. Guensler
ExxonMobil Oil Corporation
3700 W. 190th Street, TPT #2-7
Torrance, California 90504

DATE:	27 April 2006
PROJECT NO.	TASK
UP18HE1	1.2C
RE:	

ENCLOSED ARE THE FOLLOWING ITEMS:

NO. COPIES	DESCRIPTION
1 unbound, 3-hole punched	Site Status Report, quarterly summary sheet, figures, and tables from the Site Status and Groundwater Monitoring Report, First Quarter 2006 (16 November 2005 to 28 February 2006), ExxonMobil Oil Corporation Service Station 18-HE1, 1465 South Main Street, Santa Ana, California

THESE ARE TRANSMITTED AS CHECKED BELOW:

- For your use As requested For review and comment For your information
- Other:

MESSAGE:

Attached are copies of the site status report, quarterly summary sheet, figures, and tables from the Site Status and Groundwater Monitoring Report, First Quarter 2006 for ExxonMobil Oil Corporation Service Station 18-HE1, for your files.

ETIC has mailed a copy of the report and cover letter directly to the following:

- Ms. Rose Scott, Regional Water Quality Control Board, Santa Ana Region.
- Mr. Ted Lamont, Santa Ana Newport Associates.

If you have any questions, please contact Mr. Patrick McCullough of the ETIC Pasadena office.

Thank you.

COPY TO:

SIGNED



Patrick McCullough, Senior Project Manager

Sent via:

<input type="checkbox"/> Federal Express Priority	<input type="checkbox"/> Federal Express Standard	<input type="checkbox"/> Federal Express 2-Day	<input type="checkbox"/> Express Mail
<input type="checkbox"/> Priority Mail	<input type="checkbox"/> Hand delivery	<input type="checkbox"/> Courier Service	<input type="checkbox"/> UPS Ground
<input checked="" type="checkbox"/> First Class Mail			
<input type="checkbox"/> Other			

27 April 2006

Ms. Rose Scott
Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

RE: Site Status and Groundwater Monitoring Report
First Quarter 2006 (16 November 2005 to 28 February 2006)
ExxonMobil Oil Corporation Service Station 18-HE1
1465 South Main Street
Santa Ana, California 92707
RWQCB-SAR Case #083000256T

Dear Ms. Scott:

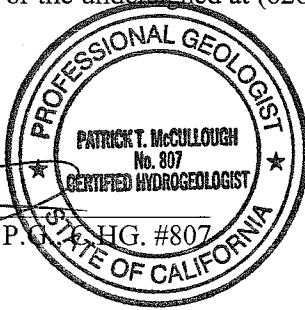
At the request of ExxonMobil Oil Corporation, ETIC Engineering, Inc. has prepared this First Quarter 2006 Site Status and Groundwater Monitoring Report for the above-referenced site. The contents of this report include:

First Quarter 2006 Site Status Report
First Quarter 2006 Quarterly Monitoring Report Summary Sheet
List of Standard Acronyms and Abbreviations
Attachment A Figures
Attachment B Tables
Attachment C Field Protocols
Attachment D Field Documents
Attachment E Laboratory Analytical Reports and Chain-of-Custody Documentation

Should you have any questions regarding this report, please contact Ms. Marla Guensler, ExxonMobil Oil Corporation, at (310) 212-3727, or the undersigned at (626) 432-5999.

Sincerely,

Patrick T. McCullough, R.P.E.A., P.G.
Senior Project Manager



John Haberland
Project Manager

cc: Ms. Marla Guensler, ExxonMobil Oil Corporation
Mr. Ted Lamont, Santa Ana Newport Associates

FIRST QUARTER 2006 SITE STATUS REPORT
16 NOVEMBER 2005 TO 28 FEBRUARY 2006
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1

SITE HISTORY

- Pre-7/86 One 12,000-gallon and two 10,000-gallon double-walled fiberglass gasoline USTs were installed at the site.
- 7/86 One used-oil UST was removed from the site and replaced with one 1,000-gallon used-oil UST. Approximately 76.5 cubic yards of used-oil affected soil was excavated and removed from the site.
- 9/86 Four groundwater monitoring wells (MW1 through MW4) were installed onsite.
- 3/88 Groundwater monitoring wells were sampled and analyzed.
- 11-12/88 Rising head slug test was conducted on MW1. Groundwater monitoring wells were sampled and analyzed.
- 1/89 Geoprobe groundwater and soil gas survey conducted at the site.
- 9/90 Two groundwater monitoring well (MW5 and MW6) were installed onsite. All six groundwater monitoring wells were sampled and analyzed.
- 1/91 All six groundwater monitoring wells were sampled and analyzed.
- 1-6/92 Four onsite soil borings (B1 through B4) were advanced. Two offsite groundwater monitoring wells (MW7 and MW8) and two onsite vadose zone wells (VW9 and VW10) were installed.
- 6-7/92 Slug, step-drawdown, and a constant rate groundwater tests were conducted at the site. Two vapor extraction (VE) tests were also conducted.
- 2/93 Quarterly groundwater monitoring program was initiated.
- 12/93 Six groundwater monitoring wells (MW9 through MW14) were installed offsite. Fuel dispenser islands were replaced.
- 12/94-1/95 Two soil borings (SB1 and SB2) were advanced and three groundwater monitoring wells (MW15 through MW17) were installed.

- 1/96 Two onsite vapor extraction wells (VW11 and VW12) and one offsite groundwater monitoring well (MW18) were installed. A VE test was conducted at the site.
- 7/97 Initiated monthly bailout/pumpouts and ongoing replacement and service of downhole pass product skimmers/Soakease bailers. Product skimmer or Soakease biler was installed in well MW1. Monthly bailouts/pumpouts were conducted on well MW1.
- 10/97 Wells MW6 and MW17 added to the monthly bailout/pumpouts. Some monthly bailout/pumpouts were conducted on wells MW11 and MW12.
- 11/97 Two vapor probes (PZ1 and PZ2) were installed onsite for a respiration test. Bioventing was not recommended due to a majority of the hydrocarbon-affected soil located in the capillary fringe and saturated zone (approximately 20 feet bgs). Soil beneath the site were predominately clays and silts which have a limited effective radius of influence.
- 12/97-3/98 Monthly 8-hour dual-phase extraction (DPE) events conducted on well MW1.
- 8/00 One groundwater monitoring well (MW19) was installed offsite.
- 3/01 RWQCB-SAR required all groundwater samples to be analyzed by EPA Method 8260B fullscan.
- 12/01 AB 2886 surveying was conducted at the site. Groundwater monitoring wells were surveyed for the SWQCB's GeoTracker database.
- 3/02 Soakease biler was installed in MW12.
- 5/02 Case review meeting between OCHCA, ExxonMobil, and TRC Customer-Focused Solutions (TRC). A summary of the meeting included: 1.) Wells MW7, MW12, and MW16 will be analyzed for lead to establish if dissolved-phase benzene observed in well MW12 migrated from former Texaco station; 2.) Review available technologies for enhanced natural attenuation in wells located upgradient of the source area and within the source area; 3.) Analysis of dissolved-phase ethanol and methanol will be reduced from quarterly to annually; 4.) Once GeoTracker is fully operational, analyze EPA Method 8260B, instead of full scan; and 5.) Combined the quarterly groundwater monitoring report and the quarterly status summary report.
- 4/03 Soakease biler removed from well MW12 due to no LPH in well.

- 5/03 Monthly overpurge events discontinued.
- 11/04 Natural attenuation parameter groundwater sampling conducted on wells MW1, MW2, MW6, and MW17.
- 2/05 Natural Attenuation Study Report and CAP submitted proposing groundwater monitoring and sampling be conducted for an additional four quarters, at which time a request for closure will be submitted if dissolved-phase concentrations remain at present levels or decrease.
- 4/05 Environmental consulting and management activities transferred from TRC to ETIC Engineering, Inc.
- 3/06 CRWQCB-SAR submitted letter to property owner to notify interested parties of site closure proposal.

HYDROCARBON AND GROUNDWATER RECOVERY

Hydrocarbons recovered to date:	~ 2 gallons by DPE
Groundwater recovered from manual bailouts/pumpouts:	32,895 gallons
Groundwater recovered during DPE:	~ 5,000 gallons
Liquid-phase hydrocarbons recovered to date: (Soakease bailers)	~ 1.99 gallons

SOIL EXCAVATED

To date: 76.5 cubic yard (from used-oil UST).

ACTIVE PERMITS

City of Santa Ana Street Work Permit #S0100899, expires 5 May 2006.

CURRENT SITE USE

Active service station: one 12,000-gallon double-walled fiberglass UST, two 10,000- gallon double-walled fiberglass USTs, one 1,000-gallon used-oil UST, double-walled fiberglass piping, three dispenser islands, and three service bays with a hydraulic hoist in each bay (see Figure 2 – Site Map).

SENSITIVE RECEPTORS

Groundwater Supply Wells:	Two active production wells are located within one mile of the site. City of Santa Ana well SA-26 is located 4,200 feet east-southeast of the site. IRWD-5 is located 4,600 feet south of the site.
Surface Water Bodies:	None within one mile of the site.
Schools:	20 preschools, elementary, middle, and high schools are within 1 mile of the site. The closest school, Saint Anne Elementary School, is located approximately 1,000 feet north of the site.

CURRENT PHASE OF PROJECT

Groundwater monitoring and sampling.

MOST RECENT AGENCY CORRESPONDENCE

RWQCB-SAR letter (30 March 2006): Notification of Site Closure Proposal to the property owner regarding any information they might have that would suggest this case should not be closed.

GROUNDWATER CONDITIONS

Current Maximum Concentrations:	TPH-g 13,400 µg/L (MW7, 28 February 2006) Benzene 1,420 µg/L (MW7, 28 February 2006) MTBE 43.2 µg/L (MW16, 28 February 2006) TBA 2,690 µg/L (MW17, 28 February 2006)
Historical Maximum Concentrations:	TPH-g 85,400 µg/L (MW12, 9 February 2005) Benzene 11,000 µg/L (MW17, 16 April 1996) MTBE 14,000 µg/L (MW17, 1 June 1998) TBA 21,000µg/L (MW17, 13 December 2000 and 31 October 2001)

ACTIVITIES PERFORMED THIS QUARTER

- Conducted quarterly groundwater monitoring and sampling on 28 February 2006.

ACTIVITIES PROPOSED NEXT QUARTER

- Postpone groundwater monitoring due to pending closure.

FIRST QUARTER 2006 – 16 NOVEMBER 2005 TO 28 FEBRUARY 2006
QUARTERLY MONITORING REPORT SUMMARY SHEET

SITE INFORMATION

Station Number:	18-HE1	Address:	1465 South Main Street, Santa Ana, California 92707
Current Site Use:	Active Mobil-branded service station		
Global Identification Number:	T0605900197		
Responsible Party / Contact:	ExxonMobil Oil Corporation / Marla D. Guensler		
Responsible Party Address:	3700 W. 190 th Street, Torrance, CA 90504		
Primary Agency / Case Number / Case Worker:	RWQCB-SAR/ #083000256T/ Rose Scott		
Primary Consultant / Project Manager:	ETIC Engineering, Inc. / John Haberland		
Site Monitoring Frequency:	Quarterly		
Well(s) / Surface Water within 2,000 feet:	No wells / None		
Number of Groundwater Wells Onsite / Offsite:	5 onsite wells / 13 offsite wells		
Number of Wells with Submerged Screens:	4 (MW2, MW6, MW13, and MW18)		
Current Phase of Project:	Groundwater monitoring/ natural attenuation		
Nature of Hydrocarbon Impact:	Gasoline		

SITE HYDROLOGY

Number of Saturated Zones:	1
Average Depth to Groundwater (feet):	17.60
Average Groundwater Elevation (feet):	59.35
Quarterly Change in Average Groundwater Elevation (feet):	-0.22
Flow Direction / Hydraulic Gradient (feet/feet):	Southeast /0.03

FIELD ACTIVITIES

Groundwater Monitoring Date:	2/28/06
Groundwater Monitoring Wells Gauged:	18
Groundwater Monitoring Wells Sampled:	17
LPH Present:	0.17 feet in well MW12
LPH Recovered This Quarter / To Date:	None / 0 gallons
Purging Method:	Grundfos
Gallons of Groundwater Purged:	92
Treatment Method / Disposal Facility:	None
Analyses Performed:	TPH-g (8015B), BTEX/OXYs (8260B)

GROUNDWATER CONDITIONS

Number of Wells with Detectable TPH-g:	3	TPH-g Range ($\mu\text{g}/\text{L}$): 81.6 to 13,400
Number of Wells with Detectable Benzene:	2	Benzene Range ($\mu\text{g}/\text{L}$): 75.3 to 1,420
Number of Wells with Detectable MTBE:	6	MTBE Range ($\mu\text{g}/\text{L}$): 6.36 to 43.2
Number of Wells with Detectable TBA:	4	TBA Range ($\mu\text{g}/\text{L}$): 26.1 to 2,690

ADDITIONAL INFORMATION

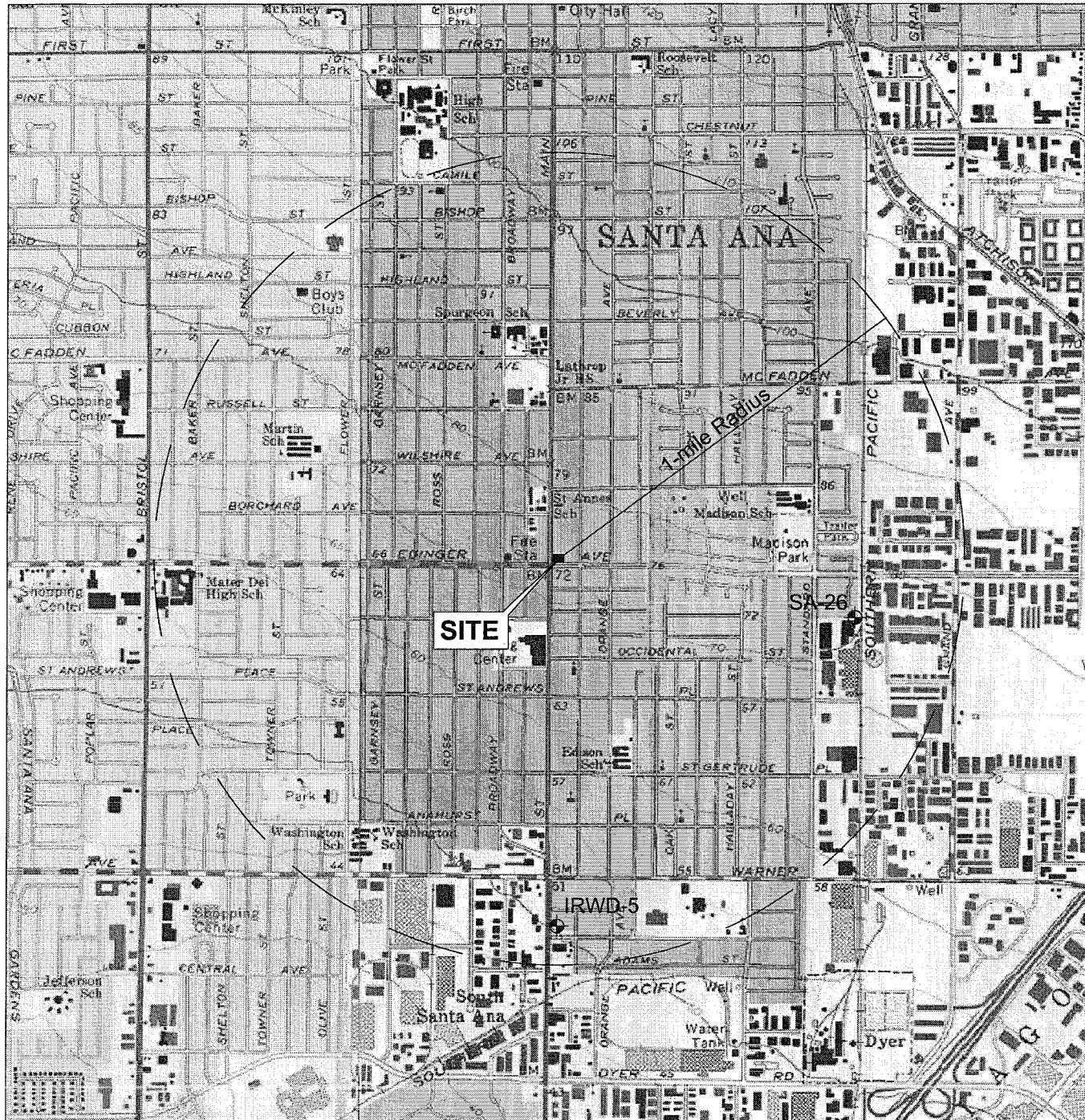
Brief Trend Analysis:	In general, concentrations of TPH-g and benzene have decreased or remained below the reporting limits in all wells. MTBE concentrations increased in wells MW1, MW2, MW10, and MW17. TBA concentrations increased in MW1, MW2, MW5, and MW17. Average groundwater elevation has decreased 0.22 feet since the previous quarter.
Other Comments:	None.

LIST OF STANDARD ACRONYMS AND ABBREVIATIONS

--	not sampled, not analyzed, or information not available
$\mu\text{g/L}$	micrograms per liter
APUD	Anaheim Public Utilities Department
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
DIPE	diisopropyl ether
DTW	depth to water
ETBE	ethyl tertiary butyl ether
ETIC	ETIC Engineering, Inc.
GES	groundwater extraction system
GWP&T	groundwater pump and treat
LPH	liquid-phase hydrocarbons
mg/kg	milligrams per kilogram
MTBE	methyl tertiary butyl ether
N/A	not applicable
NC	not calculated
ND	not detected
NM	not measured
NPDES	National Pollutant Discharge Elimination System
OCHCA	Orange County Health Care Agency
OXYs	oxygenates (includes: MTBE, DIPE, TAME, TBA, and ETBE)
ppmv	parts per million by volume
RWQCB-SAR	Regional Water Quality Control Board, Santa Ana Region
SCAQMD	South Coast Air Quality Management District
TAME	tertiary amyl methyl ether
TBA	tertiary butyl alcohol
TOC	top of casing
TPH-d	Total Petroleum Hydrocarbons as diesel
TPH-g	Total Petroleum Hydrocarbons as gasoline
USTs	underground storage tanks
VES	vapor extraction system
VOCs	volatile organic compounds

Attachment A

Figures



(Map Source: USGS Topography Map)

LEGEND:

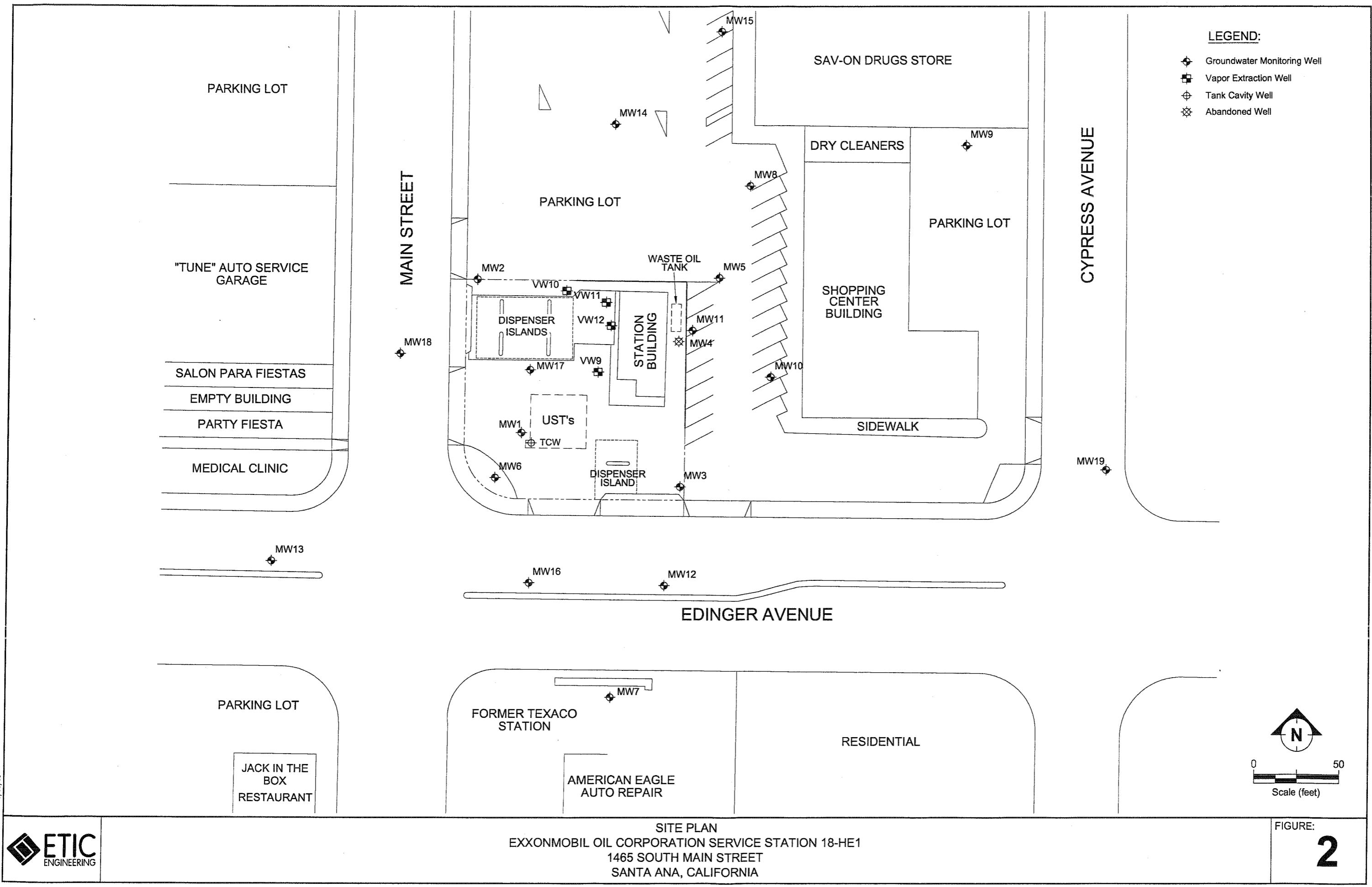
Wells Within
1-Mile Radius

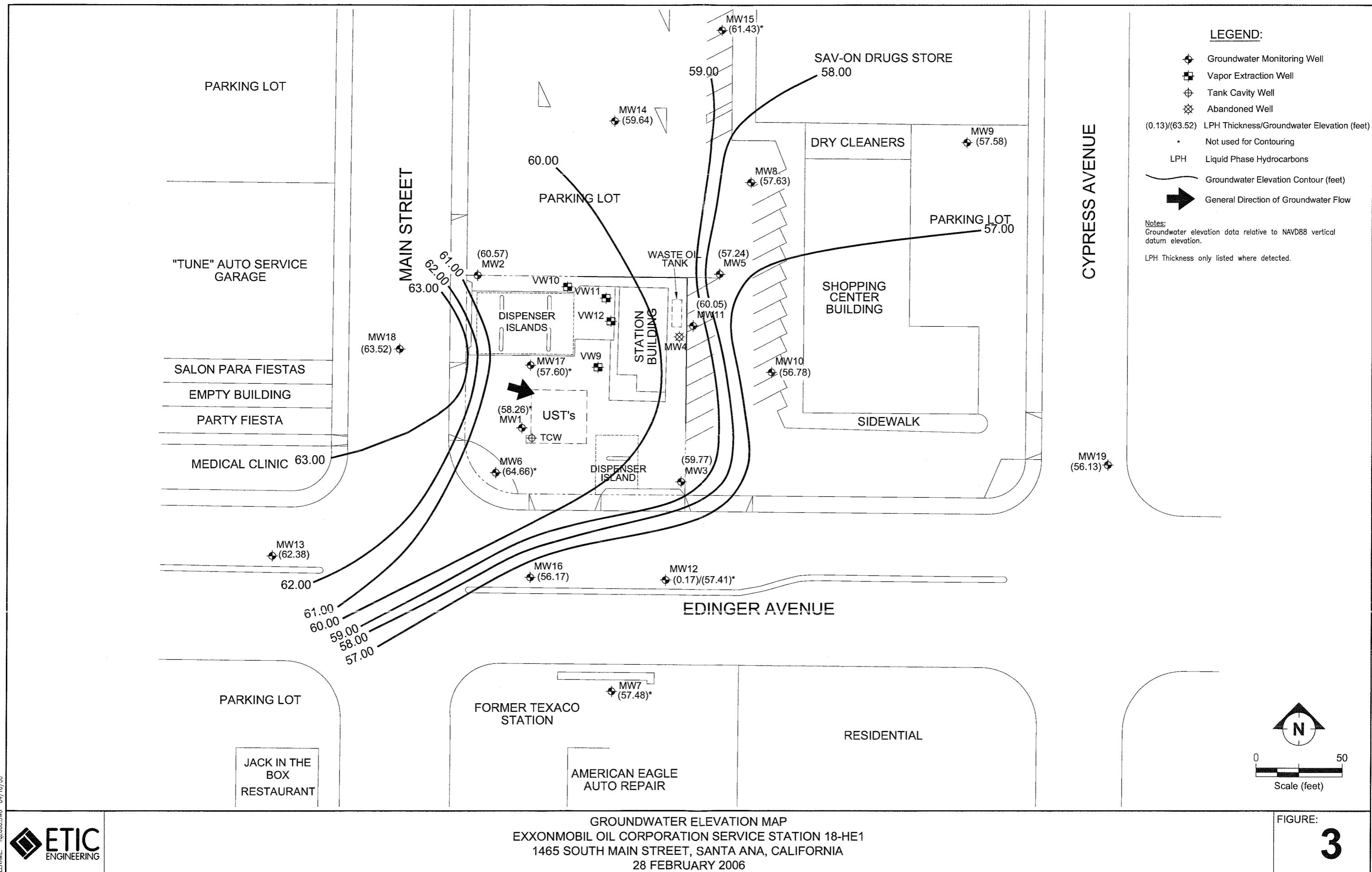
- 2 ACTIVE PRODUCTION WELL
- 0 INACTIVE PRODUCTION WELL
- 0 LIKELY DESTROYED OR ABANDONED PRODUCTION WELL
- 0 UNKNOWN STATUS
- 0 IRRIGATION/AGRICULTURAL WELL

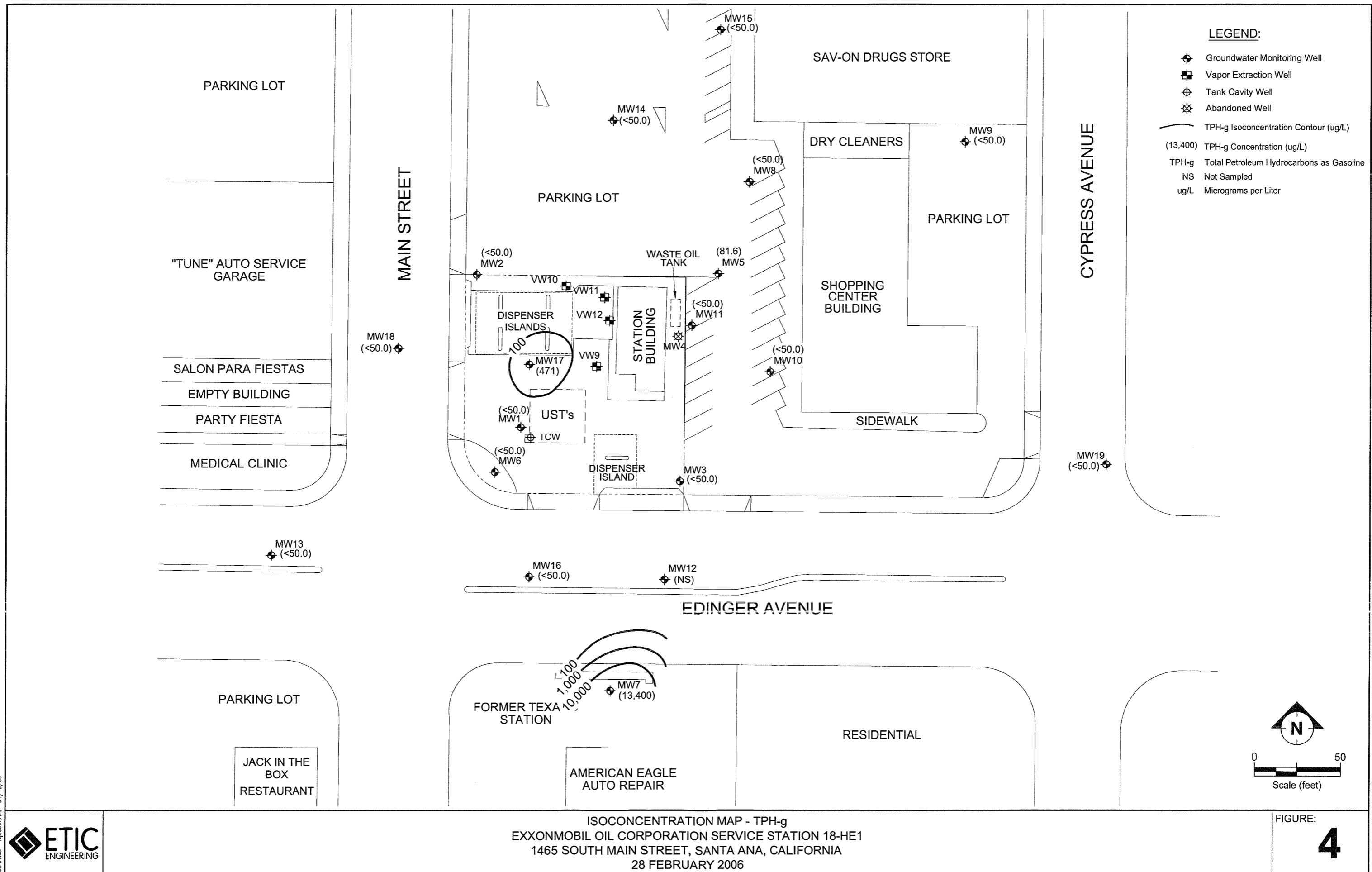


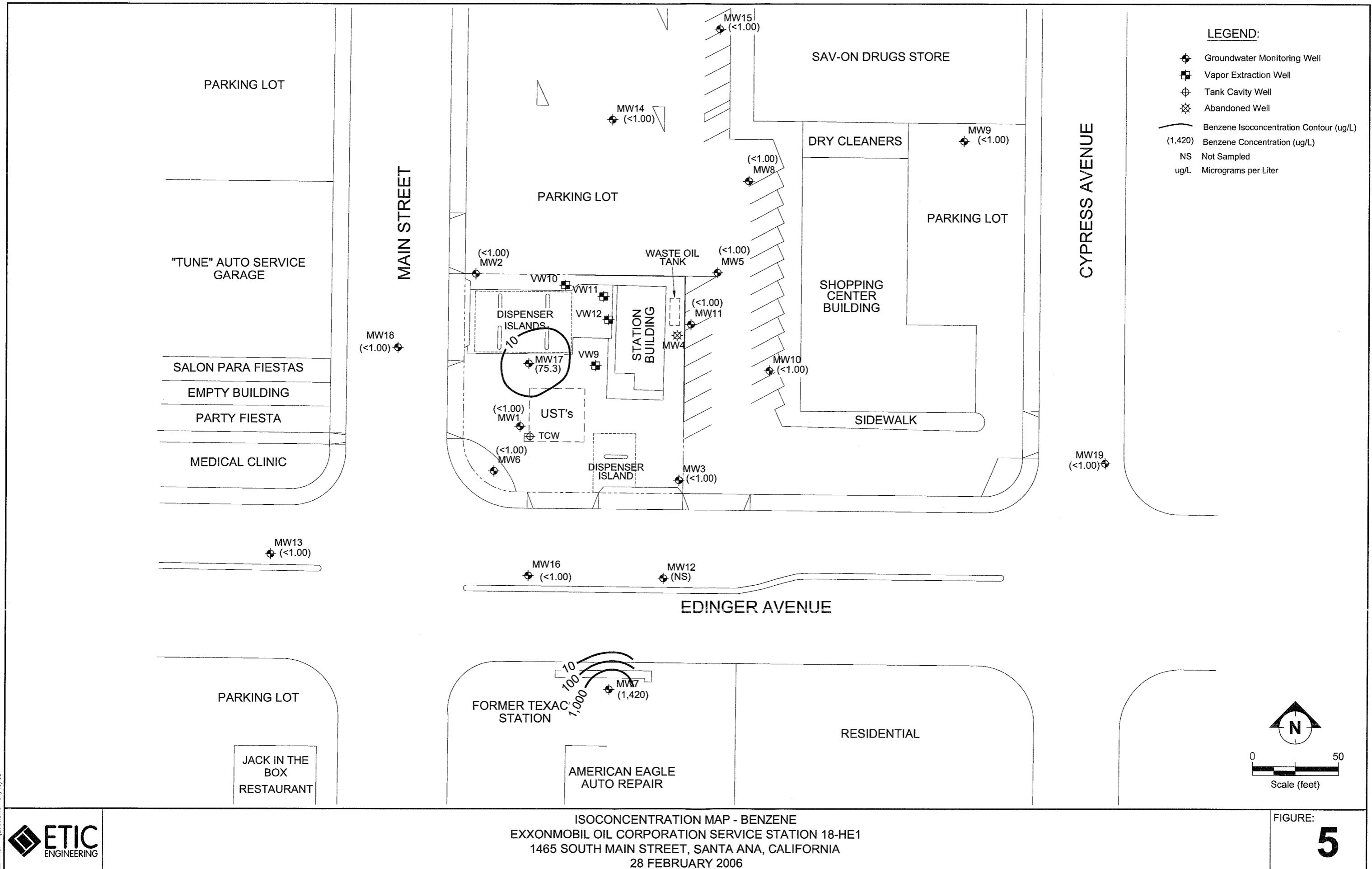
0 2,000
Scale (feet)

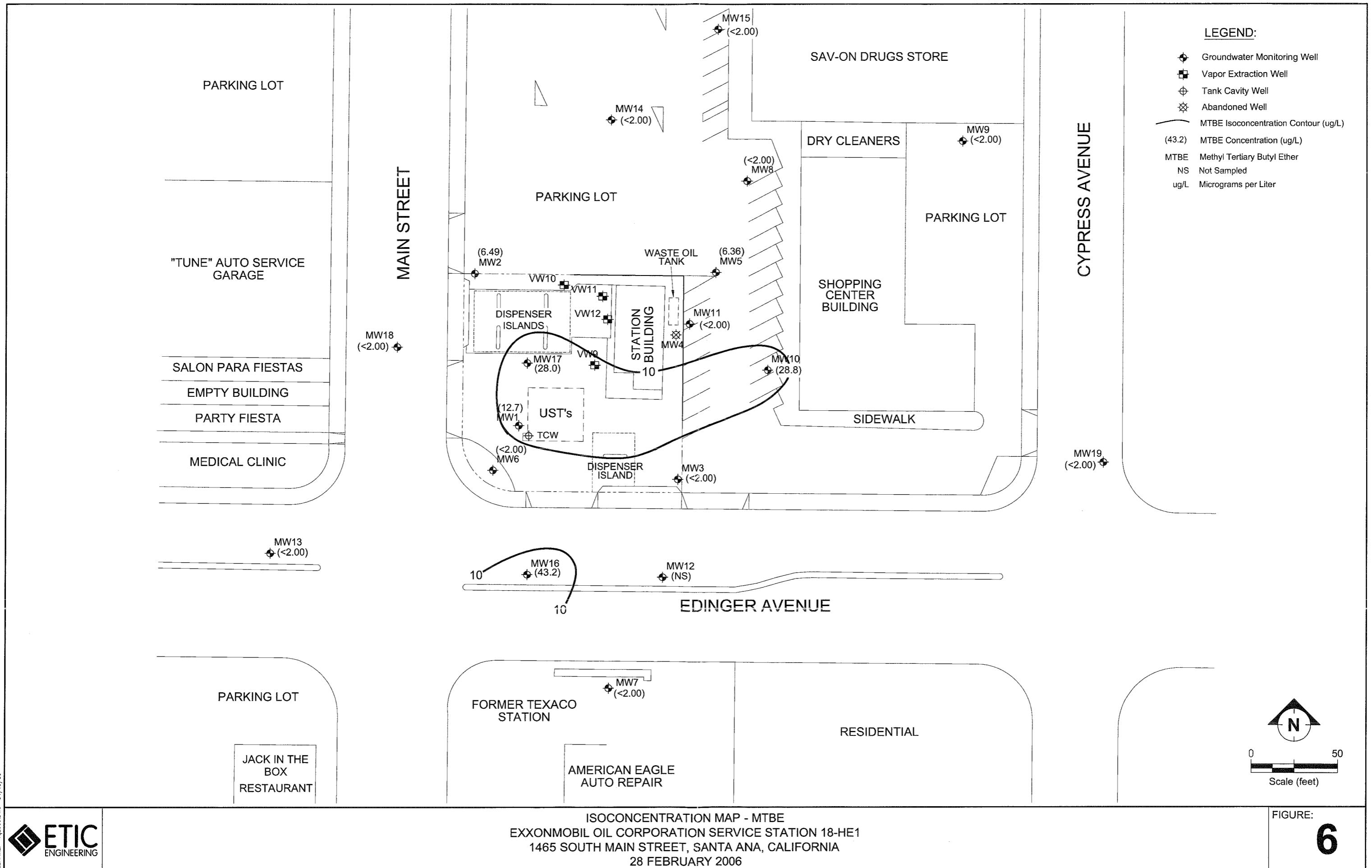
Note: All well locations approximate. Well locations provided by Orange County Water District, request dated 15 January 2002.

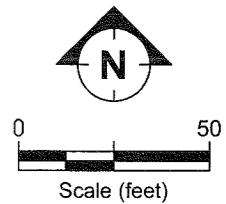
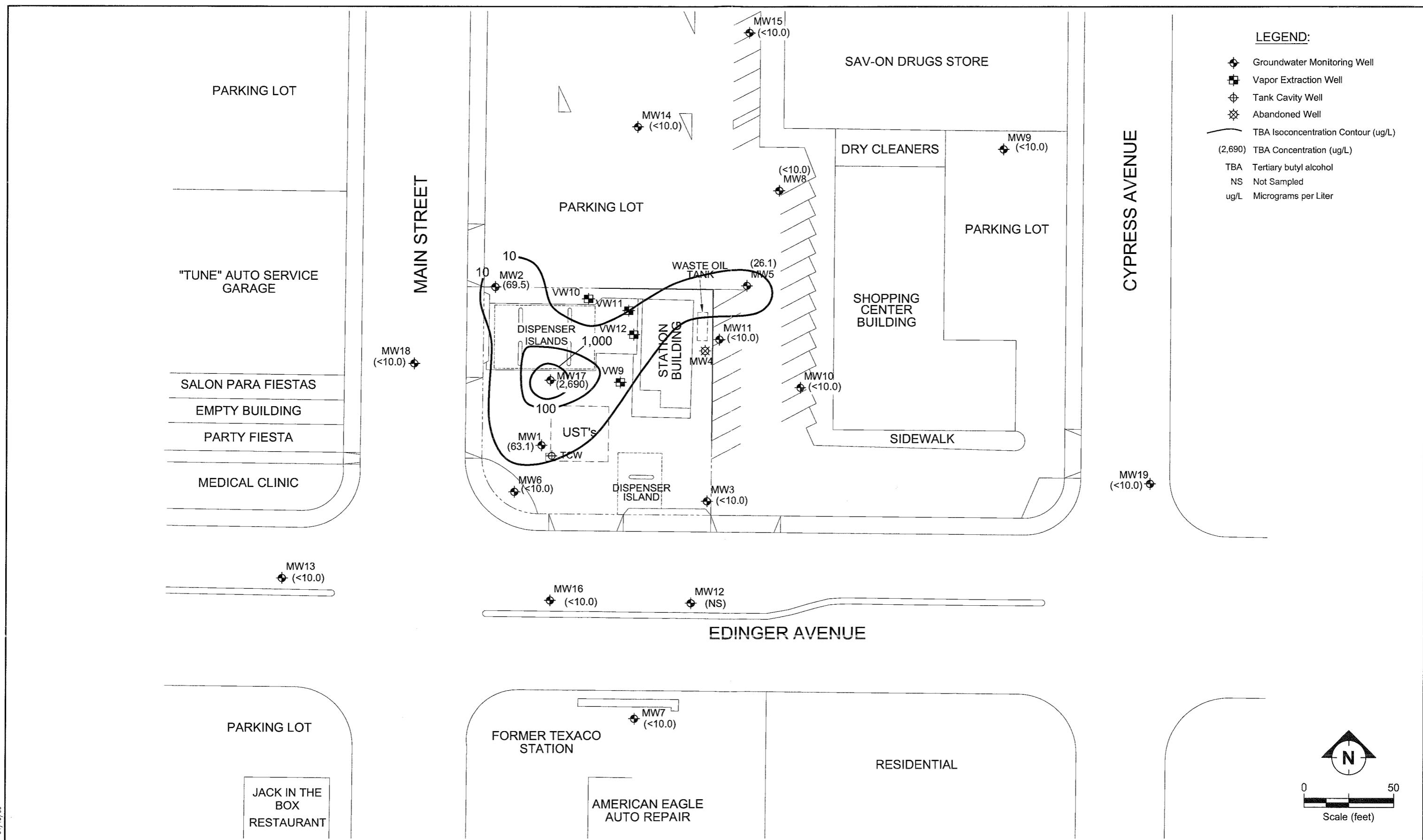












Attachment B

Tables

TABLE 1 MONITORING SCHEDULE AND WELL CONSTRUCTION DETAILS,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well Number	Well Activities				Date Installed	Well Location	Elevation TOC (feet)	Total Well Depth (feet bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet bgs)
	Gauge	Sample	Purge	LPH Removal							
MW1	Q	Q	NP	N/A	09/04/86	Onsite	76.31	31.5	10	4	17.5-31.5
MW2	Q	Q	NP	N/A	09/04/86	Onsite	76.57	31.5	10	4	16.5-31.5
MW3	Q	Q	NP	N/A	09/04/86	Onsite	76.51	30.5	10	4	15.5-30.5
MW5	Q	Q	NP	N/A	09/16/90	Offsite	77.46	40	10	4	15-40
MW6	Q	Q	NP	N/A	09/16/90	Onsite	76.44	40	10	4	15-40
MW7	Q	Q	NP	N/A	01/20/92	Offsite	75.45	40	10	4	10-40
MW8	Q	Q	NP	N/A	01/20/92	Offsite	77.21	45	10	4	15-45
MW9	Q	Q	NP	N/A	12/07/93	Offsite	77.76	40	10	4	15-40
MW10	Q	Q	NP	N/A	12/06/93	Offsite	77.39	40	10	4	15-40
MW11	Q	Q	NP	N/A	12/07/93	Offsite	77.60	40	10	4	15-40
MW12	Q	Q	NP	N/A	12/07/93	Offsite	76.03	40	10	4	15-40
MW13	Q	Q	NP	N/A	12/08/93	Offsite	75.08	40	10	4	15-40
MW14	Q	Q	NP	N/A	12/07/93	Offsite	77.49	40	10	4	15-40
MW15	Q	Q	NP	N/A	01/16/95	Offsite	78.62	35	10	4	15-35
MW16	Q	Q	NP	N/A	12/27/94	Offsite	75.68	35	10	4	15-35
MW17	Q	Q	NP	N/A	12/30/94	Onsite	76.74	34	10	4	14-34
MW18	Q	Q	NP	N/A	01/09/96	Offsite	76.31	35	10	4	15-35
MW19	Q	Q	NP	N/A	08/31/00	Offsite	76.30	30	10	4	10-30

bgs Below ground surface.
LPH Liquid-phase hydrocarbons.
N/A Not applicable this quarter.
NP No purge.
P Purge.
Q Quarterly.
TOC Top of casing.

Note: Survey conducted by Cal Vada Surveying, Inc. on 4 December 2001. TOC elevation data OCS GPS Point 1531 and NAVD88 vertical datum elevation.

TABLE 2 CURRENT GROUNDWATER MONITORING DATA - FIRST QUARTER 2006,
 EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
 1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (mg/l)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	TBA (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	Methanol (µg/l)
MW1	SCREEN INTERVAL (feet bgs): 17.5 to 31.5																
MW1	02/28/06 a	76.31	18.05	58.26	0.00	<50.0	-	<1.00	2.29	<1.00	<1.00	-	12.7	63.1	<1.00	<1.00	<50.0
MW2	SCREEN INTERVAL (feet bgs): 16.5 to 31.5																
MW2	02/28/06 a	76.57	16.00	60.57	0.00	<50.0	-	<1.00	1.60	<1.00	<1.00	-	6.49	69.5	<1.00	<1.00	<50.0
MW3	SCREEN INTERVAL (feet bgs): 15.5 to 30.5																
MW3	02/28/06	76.51	16.74	59.77	0.00	<50.0	-	<1.00	<1.00	<1.00	<1.00	-	<2.00	<10.0	<1.00	<1.00	-
MW5	SCREEN INTERVAL (feet bgs): 15 to 40																
MW5	02/28/06	77.46	20.22	57.24	0.00	81.6	-	<1.00	<1.00	<1.00	<1.00	-	6.36	26.1	<1.00	<1.00	-
MW6	SCREEN INTERVAL (feet bgs): 15 to 40																
MW6	02/28/06 a	76.44	11.78	64.66	0.00	<50.0	-	<1.00	<1.00	<1.00	<1.00	-	<2.00	<10.0	<1.00	<1.00	-
MW7	SCREEN INTERVAL (feet bgs): 10 to 40																
MW7	02/28/06	75.45	17.97	57.48	0.00	13,400	-	1,420	405	1,400	249	-	<2.00	<10.0	<1.00	<1.00	-
MW8	SCREEN INTERVAL (feet bgs): 15 to 45																
MW8	02/28/06	77.21	19.58	57.63	0.00	<50.0	-	<1.00	<1.00	<1.00	<1.00	-	<2.00	<10.0	<1.00	<1.00	-
MW9	SCREEN INTERVAL (feet bgs): 15 to 40																
MW9	02/28/06	77.76	20.18	57.58	0.00	<50.0	-	<1.00	<1.00	<1.00	<1.00	-	<2.00	<10.0	<1.00	<1.00	-
MW10	SCREEN INTERVAL (feet bgs): 15 to 40																
MW10	02/28/06	77.39	20.61	56.78	0.00	<50.0	-	<1.00	<1.00	<1.00	<1.00	-	<10.0	<1.00	<1.00	<1.00	-
MW11	SCREEN INTERVAL (feet bgs): 15 to 40																
MW11	02/28/06	77.60	17.55	60.05	0.00	<50.0	-	<1.00	<1.00	<1.00	<1.00	-	<2.00	<10.0	<1.00	<1.00	-

TABLE 2 CURRENT GROUNDWATER MONITORING DATA - FIRST QUARTER 2006,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC	Depth to Water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	TBA (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	Methanol (µg/l)	
MW12	SCREEN INTERVAL (feet bgs): 15 to 40																
MW12	02/28/06	76.03	18.75	57.41*	0.17	--	--	--	--	--	--	--	--	--	--	--	
MW13	SCREEN INTERVAL (feet bgs): 15 to 40																
MW13	02/28/06	75.08	12.70	62.38	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	--	
MW14	SCREEN INTERVAL (feet bgs): 15 to 40																
MW14	02/28/06	77.49	17.85	59.64	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	--	
MW15	SCREEN INTERVAL (feet bgs): 15 to 35																
MW15	02/28/06	78.62	17.19	61.43	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	--	
MW16	SCREEN INTERVAL (feet bgs): 15 to 35																
MW16	02/28/06	75.68	19.51	56.17	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<3.2	<10.0	<1.00	<1.00	--	
MW17	SCREEN INTERVAL (feet bgs): 14 to 34																
MW17	02/28/06	76.74	19.14	57.60	0.00	471	--	75.3	<1.00	11.9	5.00	--	28.0	2,690	<1.00	<1.00	<50.0
MW18	SCREEN INTERVAL (feet bgs): 15 to 35																
MW18	02/28/06	76.31	12.79	63.52	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	--	
MW19	SCREEN INTERVAL (feet bgs): 10 to 30																
MW19	02/28/06	76.30	20.17	56.13	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	--	
Regulatory Criteria Reference																	
TOC	Top of casing.																
LPH	Liquid-phase hydrocarbons.																
TPH-g	Total Petroleum Hydrocarbons as gasoline.																

TABLE 2 CURRENT GROUNDWATER MONITORING DATA - FIRST QUARTER 2006,
 EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
 1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC	Depth to water	LPH	Ethylbenzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	Ethanol	Methanol
		Elevation (feet)	Water elevation (feet)	Thickness (feet)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	8260B (µg/l)	8260B (µg/l)	8015B (µg/l)

TPH-d Total Petroleum Hydrocarbons as diesel.

MTBE Methyl tertiary butyl ether.

TBA Tertiary butyl alcohol.

DIPE Diisopropyl ether.

ETBE Ethyl tertiary butyl ether.

TAME Tertiary amyl methyl ether.

a Well purged prior to sampling.
Below ground surface.

bgs Micrograms per liter.

µg/L Not sampled or not analyzed.

-- Adjusted elevation for product thickness.
* Not analyzed.

Note: Survey conducted by Cal Vada Surveying, Inc. on 4 December 2001. TOC elevation data OCS GPS Point 1531 and NAVD88 vertical datum elevation.

References:

- (1) Jon B. Marshack, August 2000, A Compilation of Water Quality Goals, California Environmental Protection Agency - Regional Water Quality Control Board.

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HEI,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Elevation Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	TBA (µg/l)	ETBE (µg/l)	TAME (µg/l)	Ethanol 801.5B (µg/l)	Ethanol 8260B (µg/l)	Methanol 8015B (µg/l)
SCREEN INTERVAL (feet bgs): 17.5 to 31.5																		
MW1	09/17/90	a	--	27.60	--	0.00	400	--	95	1.4	ND	ND	--	--	--	--	--	--
MW1	01/04/91	a	74.69	27.78	46.91	0.00	--	80	1.4	0.9	1.5	--	--	--	--	--	--	--
MW1	06/17/93	a	74.07	24.05	50.02	0.00	480	24	110	1.6	6	ND	--	--	--	--	--	--
MW1	09/14/93	a	74.07	24.56	49.51	0.00	74	--	17	ND	ND	--	--	--	--	--	--	--
MW1	12/15/93	a	74.07	23.70	50.37	0.00	640	ND	7.7	1.5	ND	ND	--	--	--	--	--	--
MW1	03/30/94	a	74.07	22.71	51.36	0.00	450	ND	160	0.94	1.7	2.5	--	--	--	--	--	--
MW1	06/13/94	a	74.07	23.57	50.50	0.00	530	1.1	9.2	ND	ND	--	--	--	--	--	--	--
MW1	09/01/94	a	74.07	23.91	50.16	0.00	1,600	ND	91	15	2.5	30	--	--	--	--	--	--
MW1	12/02/94	a	74.07	24.22	49.85	0.00	1,500	ND	120	3	29	ND	--	--	--	--	--	--
MW1	02/21/95	a	74.07	22.19	51.88	0.00	2,900	2.3	15	ND	ND	20	--	--	--	--	--	--
MW1	03/15/95	a	74.07	19.09	54.98	0.00	2,500	1.2	27	31	ND	28	--	--	--	--	--	--
MW1	05/15/95	a	74.07	20.13	53.94	0.00	2,600	1	86	74	7.2	130	--	--	--	--	--	--
MW1	09/28/95	a	74.07	20.73	53.35	0.02	--	--	--	--	--	--	--	--	--	--	--	--
MW1	10/18/95	a	74.07	20.64	53.44	0.02	--	--	--	--	--	--	--	--	--	--	--	--
MW1	07/11/96	a	74.07	20.40	53.67	Trace	--	--	--	--	--	--	--	--	--	--	--	--
MW1	10/08/96	a	74.07	19.39	54.68	Trace	--	--	--	--	--	--	--	--	--	--	--	--
MW1	01/08/97	a	74.07	19.35	54.72	Trace	--	--	--	--	--	--	--	--	--	--	--	--
MW1	04/30/97	a	74.07	19.85	54.74	0.70	--	--	--	--	--	--	--	--	--	--	--	--
MW1	07/24/97	a	74.07	19.35	54.79	0.10	--	--	--	--	--	--	--	--	--	--	--	--
MW1	10/24/97	a	74.07	20.00	54.13	0.08	--	--	--	--	--	--	--	--	--	--	--	--
MW1	01/21/98	a	74.07	19.05	55.03	0.02	--	--	--	--	--	--	--	--	--	--	--	--
MW1	04/20/98	a	74.07	15.50	59.47	1.20	--	--	--	--	--	--	--	--	--	--	--	--
MW1	06/01/98	a	74.07	16.86	58.12	1.21	53,000	--	1,400	5,400	1,200	6,000	2,700	--	--	--	--	--
MW1	06/01/98	a	--	--	--	54,000	--	1,900	4,700	850	4,200	3,700	--	--	--	--	--	--
MW1	09/29/98	a	74.07	17.76	56.32	0.01	--	--	--	--	--	--	--	--	--	--	--	--
MW1	12/16/98	a	74.07	18.31	55.77	0.01	--	--	--	--	--	--	--	--	--	--	--	--
MW1	03/11/99	a	74.07	18.55	55.52	0.00	34,000	--	1,600	2,400	990	3,100	4,800	--	--	--	--	--
MW1	06/21/99	a	74.07	17.85	56.22	0.00	44,000	--	1,300	3,100	900	3,800	4,400	--	--	--	--	--
MW1	09/17/99	a	74.07	18.45	55.62	0.00	20,000	--	ND	1,100	550	1,700	3,300	--	--	--	--	--
MW1	12/22/99	a	74.07	18.85	55.23	0.01	--	--	--	--	--	--	--	--	--	--	--	--
MW1	03/02/00	a	74.07	19.50	54.57	0.00	15,000	--	280	440	400	1,100	1,900	--	--	--	--	--
MW1	06/21/01	a	70.60	18.58	52.02	0.00	2,800	--	230	28	49	70	--	650	1,500	ND<40	ND<40	ND<100
MW1	08/01/01	a	70.60	19.51	51.13	0.06	--	--	--	--	--	--	--	66	1,100	ND<1.0	ND<1.0	ND<200
MW1	09/12/00	a	70.60	19.71	50.90	0.01	--	--	--	--	--	--	--	--	--	--	--	--
MW1	12/13/00	a	70.60	20.34	50.27	0.01	--	--	--	--	--	--	--	--	--	--	--	--
MW1	02/21/01	a	70.06	20.30	49.77	0.01	--	--	--	--	--	--	--	--	--	--	--	--
MW1	05/21/01	a	70.60	18.81	55.26	0.00	19,000	--	400	1,600	580	2,500	4,200	--	--	--	--	--
MW1	06/21/01	a	70.60	19.71	50.90	0.01	--	--	--	--	--	--	--	--	--	--	--	--
MW1	10/31/01	a	70.60	20.29	50.36	0.07	--	--	--	--	--	--	--	--	--	--	--	--
MW1	02/25/02	a	76.31	21.02	55.29	0.00	4,000	--	350	52	110	107	--	1,300	2,900	ND<10	ND<10	ND<100
MW1	05/29/02	a	76.31	21.35	54.96	0.00	22,200	--	882	1630	706	2,310	--	2,040	1,600	ND<10	ND<10	ND<100
MW1	08/26/02	a	76.31	21.54	54.77	0.00	14,800	--	512	1470	926	2,700	--	1,310	1,280	ND<1.00	ND<1.00	ND<1.00
MW1	11/25/02	a	76.31	21.92	54.39	0.00	11,200	--	285	385	720	1,010	--	715	ND<10.0	ND<1.0	ND<1.0	ND<1.0

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Elevation Water (feet)	Ground-water Thickness (feet)	LPH (feet)	TPH-g ($\mu\text{g/l}$)	TRPH Benzene ($\mu\text{g/l}$)	Toluene ($\mu\text{g/l}$)	Ethyl-benzene ($\mu\text{g/l}$)	Total Xylenes ($\mu\text{g/l}$)	MTBE 8021B ($\mu\text{g/l}$)	MTBE 8260B ($\mu\text{g/l}$)	TBA 8260B ($\mu\text{g/l}$)	DIPE 8260B ($\mu\text{g/l}$)	ETBE 8260B ($\mu\text{g/l}$)	TAME 8015B ($\mu\text{g/l}$)	Ethanol 8260B ($\mu\text{g/l}$)	Methanol 8015B ($\mu\text{g/l}$)
MW1	02/19/03 a	76.31	21.00	55.31	0.00	11,000	--	ND<1.00	1,480	298	1,420	--	61.9	ND<1.00	ND<1.00	--	ND<1,000 ND<10,000	
MW1	05/07/03 a	76.31	18.50	57.81	0.00	14,200	--	155	1140	368	2,210	--	24.1	ND<10.0	ND<1.00	ND<1.00	--	
MW1	08/05/03 a	76.31	19.45	56.86	0.00	7,480	--	15.1	103	64.7	498	--	14.5	86	ND<1.00	ND<1.00	--	
MW1	11/04/03 a	76.31	19.64	56.67	0.00	2,340	--	23.5	67.6	74.5	346	--	10.9	ND<10.0	ND<1.00	ND<1.00	--	
MW1	02/04/04 a	76.31	19.09	57.22	0.00	25,000	--	42	320	220	1,600	--	ND>20	ND>40	ND>40	--	ND>2,000 ND<100	
MW1	05/07/04 a	76.31	19.48	56.83	0.00	26,700	--	11.9	61.3	152	2,050	--	5.8	27.4	ND<1.00	ND<1.00	--	
MW1	08/02/04 a	76.31	20.90	55.41	0.00	4,740	--	32.5	18.1	43.6	102	--	11.5	ND<10.0	ND<1.00	ND<1.00	--	
MW1	11/08/04 a	76.31	19.83	56.48	0.00	3,990	--	19.2	21.8	44.9	84	--	5.6	25	ND<1.00	ND<1.00	--	
MW1	02/09/05 a	76.31	17.32	58.99	0.00	427	--	15.4	8.7	13.3	20.2	--	4.1	34.6	ND<1.00	ND<1.00	--	
MW1	05/18/05	76.31	16.02	60.29	0.00	158	--	4.40	<1.00	4.00	3.40	--	2.70	<10.0	<1.00	<1.00	--	
MW1	08/23/05	76.31	16.85	59.46	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	--	2.96	70.3	<1.00	<1.00	--	
MW1	11/16/05	76.31	17.53	58.78	0.00	<50.0	--	<1.00	<1.00	1.08	<1.00	--	2.27	<10.0	<1.00	<1.00	--	
MW1	02/28/06 a	76.31	18.05	58.26	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	--	12.7	63.1	<1.00	1.93	<50.0	
SCREEN INTERVAL (feet bgs): 16.5 to 31.5																		
MW2	09/17/90 a	--	25.60	--	0.00	--	ND	--	--	--	--	ND	ND	ND	ND	ND	ND	
MW2	01/04/91 a	74.83	25.10	49.73	0.00	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	02/25/93 a	74.83	22.74	52.09	0.00	--	110	ND	ND	ND	ND	12	0.5	ND	ND	ND	ND	
MW2	06/17/93 a	74.34	21.57	52.77	0.00	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	
MW2	09/14/93 a	74.34	22.77	51.57	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	12/15/93 a	74.37	22.90	51.47	0.00	--	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	03/29/94 a	74.37	20.99	53.38	0.00	--	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	03/30/94 a	74.37	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	06/13/94 a	74.37	21.37	53.00	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	09/01/94 a	74.37	22.25	52.12	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	12/02/94 a	74.37	22.18	52.19	0.00	ND	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	
MW2	02/21/95 a	74.37	19.23	55.14	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	03/15/95 a	74.37	20.03	54.34	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	05/15/95 a	74.37	17.82	56.55	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	09/28/95 a	74.37	18.44	55.93	0.00	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	10/18/95 a	74.37	18.49	55.88	0.00	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	04/16/96 a	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	04/16/96 a	74.37	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	07/11/96 a	74.37	18.26	56.11	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	01/21/98 a	74.37	16.73	57.64	0.00	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	01/08/97 a	74.37	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	04/20/98 a	74.37	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	09/28/98 a	74.37	15.07	59.30	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	04/30/99 a	74.37	17.25	57.12	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	07/24/97 a	74.37	16.33	58.04	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	10/24/97 a	74.37	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	07/11/96 a	74.37	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	01/21/98 a	74.37	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	04/20/98 a	74.37	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	09/28/98 a	74.37	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	12/16/98 a	74.37	15.45	58.92	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW2	03/11/99 a	74.37	16.05	58.32	0.00	--	--	--	--	--	--	--	--	--	--	--	--	
MW2	06/21/99 a	74.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	Depth to Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TRPH (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	TBA (µg/l)	MTBE (µg/l)	ETBE (µg/l)	Ethanol (µg/l)	Methanol (µg/l)	
MW2	09/17/99 a	74.37	16.29	58.08	0.00	60	-	1.6	4.8	0.9	5	41	-	-	-	-	
MW2	12/21/99 a	74.37	--	--	--	--	ND<50	--	--	--	12	--	--	--	--	--	
MW2	03/02/00 a	74.37	16.31	58.06	0.00	--	--	--	--	--	--	--	--	--	--	--	
MW2	06/21/00 a	74.37	--	--	--	--	ND<50	--	--	--	--	--	--	--	--	--	
MW2	09/12/00 a	70.90	17.75	53.15	0.00	--	--	--	--	--	--	--	--	--	--	--	
MW2	12/13/00 a	70.90	18.60	52.30	0.00	--	ND>50	--	--	--	--	--	--	--	--	--	
MW2	02/21/01 a	70.90	17.75	53.15	0.00	--	ND>50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<20	ND<1.0	ND<1.0	
MW2	05/21/01 a	70.90	16.24	54.66	0.00	ND<100	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	33	ND>20	ND<1	ND<1	
MW2	08/01/01 a	70.90	17.41	53.49	0.00	ND<100	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	74	ND>50	ND<2.0	ND<2.0	ND<100
MW2	10/31/01 a	70.90	18.52	52.38	0.00	ND<100	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.3	ND>50	ND<2.0	ND<2.0	ND<100
MW2	02/25/02 a	76.57	18.68	57.89	0.00	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	56	ND>50	ND<2.0	ND<2.0	ND<100
MW2	05/29/02 a	76.57	19.02	57.55	0.00	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND>2.0	ND<10	ND<1.0	ND<1.0	ND<100
MW2	08/26/02 a	76.57	19.11	57.46	0.00	ND<100	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<10,000
MW2	11/25/02 a	76.57	19.31	57.26	0.00	ND<50.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10.0	ND<1.0	ND<1.0	ND<1,000
MW2	02/19/03 a	76.57	18.49	58.08	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.0	49.1	279	ND<1.00	ND<1.00	ND<10,000
MW2	05/07/03 a	76.57	15.66	60.91	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.0	43.5	953	ND<1.00	ND<1.00	ND<1,000
MW2	08/05/03 a	76.57	17.76	58.81	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.0	21.8	11.6	ND<1.00	ND<1.00	ND<1,000
MW2	11/04/03 a	76.57	18.45	58.12	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.0	21.3	47.3	ND<1.00	ND<1.00	ND<1,000
MW2	02/04/04 a	76.57	17.50	59.07	0.00	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	56	1,200	ND>2.0	ND<2.0	ND<100
MW2	05/07/04 a	76.57	18.58	57.99	0.00	ND<50.0	--	2.5	ND<1.00	ND<1.00	ND<1.00	ND<1.0	58	277	ND<1.00	ND<1.00	ND<1,000
MW2	08/02/04 a	76.57	19.31	57.26	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.0	11.5	38.4	ND<1.00	ND<1.00	ND<1,000
MW2	11/08/04 a	76.57	17.96	58.61	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.0	21.8	11.6	ND<1.00	ND<1.00	ND<1,000
MW2	02/09/05 a	76.57	16.60	59.97	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.0	49.1	ND>2.0	ND<1.0	ND<1.0	ND<10,000
MW2	05/18/05	76.57	14.84	61.73	0.00	<50.0	--	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	56	1,200	ND>2.0	ND<2.0	ND<100
MW2	08/23/05	76.57	15.05	61.52	0.00	<50.0	--	ND<50.0	ND<1.00	ND<1.00	ND<1.00	ND<1.0	58	277	ND<1.00	ND<1.00	ND<1,000
MW2	11/16/05	76.57	16.02	60.55	0.00	<50.0	--	ND<50.0	<1.00	<1.00	<1.00	<1.00	2.27	<10.0	<1.00	<1.00	<1,000
MW2	02/28/06 a	76.57	16.00	60.57	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<1.00	2.08	<10.0	<1.00	<1.00	<1,000
MW3	SCREEN INTERVAL (feet bgs): 15.5 to 30.5																
MW3	09/17/90 a	--	26.85	--	0.00	--	1,300	--	--	21	9.1	1.4	20	--	--	--	
MW3	01/04/91 a	74.53	27.35	47.18	0.00	--	--	--	--	35	3.3	22	2.1	--	--	--	
MW3	02/25/93 a	74.53	22.41	52.12	0.00	1,300	ND	90	31	34	80	--	--	--	--	--	
MW3	06/17/93 a	74.29	21.29	53.00	0.00	16,000	37	67	830	420	1,800	--	--	--	--	--	
MW3	09/14/93 a	74.29	21.82	52.47	0.00	15,000	5.8	88	630	330	1,200	--	--	--	--	--	
MW3	12/15/93 a	74.29	22.55	51.74	0.00	4,700	8	110	120	410	1,900	--	--	--	--	--	
MW3	03/20/94 a	74.29	21.35	52.94	0.00	7,000	4.7	13	1,000	230	490	--	--	--	--	--	
MW3	06/13/94 a	74.29	20.89	53.40	0.00	2,600	2.3	88	91	110	130	--	--	--	--	--	
MW3	09/01/94 a	74.29	21.46	52.83	0.00	2,700	1.6	62	81	200	--	--	--	--	--	--	
MW3	12/02/94 a	74.29	21.93	52.36	0.00	2,800	2	26	8.8	77	100	--	--	--	--	--	
MW3	02/21/95 a	74.29	19.33	54.96	0.00	5,800	2.2	72	ND	300	120	--	--	--	--	--	
MW3	03/15/95 a	74.29	20.18	54.11	0.00	2,600	ND	17	ND	73	84	--	--	--	--	--	
MW3	05/15/95 a	74.29	17.82	56.47	0.00	7,000	3.2	36	12	100	150	--	--	--	--	--	
MW3	09/28/95 a	74.29	18.16	56.13	0.00	2,400	3.6	6.2	ND	5.2	ND	--	--	--	--	--	
MW3	10/18/95 a	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	MTBE (µg/l)	TBA (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	Methanol (µg/l)
MW3	10/18/95 a	74.29	17.85	56.44	0.00	3,700	2.8	13	22	5.1	19	-	-	-	-	-	-	-
MW3	04/16/96 a	74.29	-	-	1,200	ND	6.3	2.1	-	ND	1.8	43	-	-	-	-	-	-
MW3	07/11/96 a	74.29	17.50	56.79	0.00	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-
MW3	10/08/96 a	74.29	18.12	56.17	0.00	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
MW3	01/08/97 a	74.29	16.78	57.51	0.00	93	-	0.94	ND	ND	ND	ND	-	-	-	-	-	-
MW3	04/30/97 a	74.29	16.67	57.62	0.00	ND	-	ND	0.59	0.41	4.5	ND	-	-	-	-	-	-
MW3	07/24/97 a	74.29	17.46	56.83	0.00	ND	-	0.8	ND	ND	ND	57	-	-	-	-	-	-
MW3	10/24/97 a	74.29	18.10	56.19	0.00	130	-	1	0.54	2.3	0.71	530	-	-	-	-	-	-
MW3	01/21/98 a	74.29	17.01	57.28	0.00	700	-	8.9	4	29	7.2	280	-	-	-	-	-	-
MW3	04/20/98 a	74.29	12.64	61.65	0.00	510	-	3.3	1.5	17	14	95	-	-	-	-	-	-
MW3	09/28/98 a	74.29	14.50	59.79	0.00	ND	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
MW3	12/16/98 a	74.29	15.22	59.07	0.00	ND	-	5	2.1	2.5	ND	62.6	-	-	-	-	-	-
MW3	03/11/99 a	74.29	15.55	58.74	0.00	600	-	3.2	0.9	ND	ND	640	-	-	-	-	-	-
MW3	06/21/99 a	74.29	15.67	58.62	0.00	160	-	4	5.9	2.1	6.6	100	-	-	-	-	-	-
MW3	09/17/99 a	74.29	16.00	58.29	0.00	310	-	1	ND	0.5	0.8	330	-	-	-	-	-	-
MW3	12/22/99 a	74.29	16.54	57.75	0.00	220	-	3.3	2.7	2.7	5.9	290	-	-	-	-	-	-
MW3	03/02/00 a	74.29	16.68	57.61	0.00	130	-	1.1	0.44	0.74	0.76	160	-	-	-	-	-	-
MW3	06/21/00 a	74.29	16.80	57.49	0.00	84	-	ND<0.30	ND<0.30	ND<0.30	ND<0.60	120	ND<20	ND<1.0	ND<1.0	ND<200	-	-
MW3	09/12/00 a	70.84	17.80	53.04	0.00	61	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	83	ND<20	ND<1.0	ND<1.0	-	-	-
MW3	12/13/00 a	70.84	17.91	52.93	0.00	91	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	140	ND<20	ND<1.0	ND<1.0	-	-	-
MW3	02/21/01 a	70.84	18.80	52.04	0.00	ND<50	-	ND<1	ND<1	ND<1	ND<1	ND<5	ND<20	ND<1	ND<1	ND<100	ND<100	ND<100
MW3	05/21/01 a	70.84	16.16	54.68	0.00	ND<100	-	ND<0.5	ND<1.0	ND<1.0	ND<1.0	23	ND<50	ND<2.0	ND<2.0	ND<100	ND<100	ND<100
MW3	08/01/01 a	70.84	16.71	54.13	0.00	ND<100	-	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<100	ND<100	ND<100
MW3	10/31/01 a	70.84	17.50	53.34	0.00	ND<100	-	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<100	ND<100	ND<100
MW3	02/25/02 a	76.51	18.40	58.11	0.00	250	-	ND<2.5	ND<5.0	ND<5.0	ND<10	660	ND<250	ND<10	ND<10	ND<10	ND<10	ND<10,000
MW3	05/29/02 a	76.51	18.57	57.94	0.00	ND<50	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	08/26/02 a	76.51	18.30	58.21	0.00	ND<100	-	ND<100	ND<1.00	ND<1.00	ND<1.00	ND<1.0	ND<2.00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	11/25/02 a	76.51	18.28	58.23	0.00	ND<50.0	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	02/19/03 a	76.51	17.89	58.62	0.00	ND<50.0	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	05/07/03 a	76.51	17.59	58.92	0.00	ND<50.0	-	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	08/05/03 a	76.51	16.91	59.60	0.00	ND<50.0	-	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	11/04/03 a	76.51	17.94	58.57	0.00	ND<50.0	-	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	02/04/04 a	76.51	17.44	59.07	0.00	ND<100	-	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.00	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10,000
MW3	05/07/04 a	76.51	17.62	58.89	0.00	ND<50.0	-	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	08/02/04 a	76.51	18.81	57.70	0.00	ND<50.0	-	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	11/08/04 a	76.51	17.82	58.69	0.00	ND<50.0	-	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	02/09/05 a	76.51	16.35	60.16	0.00	ND<50.0	-	<50.0	0	<1.00	<1.00	<1.00	ND<1.00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10,000
MW3	05/18/05	76.51	19.45	57.06	0.00	<50.0	-	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW3	08/23/05	76.51	15.64	60.87	0.00	<50.0	-	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW3	11/16/05	76.51	16.49	60.02	0.00	<50.0	-	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW3	02/28/06	76.51	16.74	59.77	0.00	<50.0	-	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00
MW4	09/17/90 a	--	25.20	--	0.00	35000	--	13000	N.D.	740	N.D.	--	--	--	--	--	--	--

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HEI,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Water Elevation (feet)	Thickness (feet)	LPH	TPH-g (µg/l)	TPRH (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	TBA (µg/l)	ETBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	8260B (µg/l)	Methanol (µg/l)
MW4	01/04/91 a	75.66	28.86	46.80	0.00	—	—	8200	ND	540	ND	—	—	—	—	—	—	
MW4	02/25/93 a	75.66	24.41	51.25	0.00	5700	1.6	3500	50	ND	ND	—	—	—	—	—	—	
MW4	06/17/93 a	75.14	22.00	53.14	0.00	5100	1.9	1400	ND	ND	ND	—	—	—	—	—	—	
MW4	09/14/93 a	75.14	22.65	52.49	0.00	1700	9.5	360	8.5	ND	ND	—	—	—	—	—	—	
SCREEN INTERVAL (feet bgs): 15 to 40																		
MW5	09/17/90 a	—	28.66	—	0.00	2,700	—	840	13	35	110	—	—	—	—	—	—	
MW5	01/04/91 a	75.44	28.87	46.57	0.00	—	—	160	11	ND	ND	—	—	—	—	—	—	
MW5	02/25/93 a	—	—	—	—	290	—	ND	110	2.9	ND	ND	—	—	—	—	—	
MW5	02/25/93 a	75.44	27.40	48.04	0.00	—	—	ND	ND	63	ND	ND	—	—	—	—	—	
MW5	06/17/93 a	75.20	25.60	49.60	0.00	250	0.79	ND	ND	ND	ND	ND	—	—	—	—	—	
MW5	09/14/93 a	75.20	26.07	49.13	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	
MW5	12/15/93 a	75.21	25.98	49.23	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	
MW5	03/29/94 a	75.21	25.15	50.06	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	
MW5	06/13/94 a	75.21	24.85	50.36	0.00	100	ND	ND	ND	ND	ND	ND	—	—	—	—	—	
MW5	09/01/94 a	75.21	25.31	49.90	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	
MW5	12/02/94 a	75.21	25.48	49.73	0.00	86	ND	ND	34	4	0.62	3.7	—	—	—	—	—	
MW5	02/21/95 a	75.21	23.21	52.00	0.00	ND	ND	ND	ND	7.8	ND	ND	—	—	—	—	—	
MW5	03/15/95 a	75.21	23.14	52.07	0.00	ND	ND	ND	ND	2	ND	ND	—	—	—	—	—	
MW5	05/15/95 a	75.21	21.47	53.74	0.00	ND	ND	ND	ND	13	ND	ND	—	—	—	—	—	
MW5	09/28/95 a	75.21	22.05	53.16	0.00	61	ND	ND	14	ND	ND	ND	—	—	—	—	—	
MW5	10/18/95 a	75.21	22.93	52.28	0.00	—	—	—	—	—	—	—	—	—	—	—	—	
MW5	04/16/96 a	75.21	—	—	—	56	ND	ND	3.8	ND	ND	ND	—	—	—	—	—	
MW5	07/11/96 a	75.21	21.30	53.91	0.00	160	—	47	ND	ND	ND	ND	—	—	—	—	—	
MW5	01/08/97 a	75.21	20.35	54.86	0.00	62	—	0.97	ND	ND	ND	ND	—	—	—	—	—	
MW5	04/30/97 a	75.21	19.67	55.54	0.00	80	—	10	ND	ND	ND	ND	—	—	—	—	—	
MW5	07/24/97 a	75.21	20.35	54.86	0.00	150	—	33	ND	ND	ND	ND	—	—	—	—	—	
MW5	10/24/97 a	75.21	21.03	54.18	0.00	95	—	32	ND	ND	ND	ND	—	—	—	—	—	
MW5	01/21/98 a	75.21	20.20	55.01	0.00	90	—	22	ND	ND	ND	ND	—	—	—	—	—	
MW5	04/20/98 a	75.21	15.91	59.30	0.00	290	—	23	26	5.2	34	ND	—	—	—	—	—	
MW5	09/28/98 a	75.21	17.99	57.22	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	
MW5	12/16/98 a	75.21	18.89	56.32	0.00	ND	ND	1.8	ND	ND	ND	ND	—	—	—	—	—	
MW5	03/11/99 a	75.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW5	06/21/99 a	75.21	18.92	56.29	0.00	ND	ND	0.6	0.4	ND	ND	ND	—	—	—	—	—	
MW5	09/17/99 a	75.21	—	—	—	—	—	—	—	—	—	—	ND>5.0	ND>20	ND<1.0	ND<1.0	ND<200	
MW5	12/13/00 a	71.71	21.76	49.95	0.00	ND>50	—	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	—	—	—	—	—	
MW5	02/21/01 a	71.71	17.30	54.41	0.00	—	—	—	—	—	—	—	—	—	—	—	—	
MW5	05/21/01 a	71.71	20.04	51.67	0.00	ND>100	—	ND>0.5	ND>1.0	ND<1.0	ND<1.0	ND	3.5	ND>50	ND>2.0	ND<2.0	ND<100	
MW5	08/01/01 a	71.71	20.94	50.77	0.00	—	—	—	—	—	—	—	—	—	—	—	—	
MW5	10/31/01 a	71.71	21.83	49.88	0.00	ND>100	—	ND>0.5	ND>1.0	ND>1.0	ND>1.0	ND	ND>1.0	ND>2.0	ND>2.0	ND<100	ND<100	
MW5	02/25/02 a	77.46	22.35	55.11	0.00	ND>100	—	ND>0.50	ND>1.0	ND>1.0	ND>1.0	ND	ND>2.0	ND>2.0	ND>2.0	ND<100	ND<100	

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HEI,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	Depth to Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TRPH (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	MTBE 802IB (µg/l)	TBA (µg/l)	ETBE 8260B (µg/l)	TAME 8260B (µg/l)	Ethanol (µg/l)	8260B (µg/l)	Methanol 8015B (µg/l)
MW5	05/29/02 a	77.46	22.68	54.78	0.00	ND<50	—	ND<1.0	ND<1.0	ND<2.0	26	ND<1.0	ND<1.0	ND<1.0	—	—	—	
MW5	08/26/02 a	77.46	23.17	54.29	0.00	ND<100	—	ND<1.00	ND<1.00	ND<1.00	3.1	27	ND<1.00	ND<1.00	—	—	—	
MW5	11/25/02 a	77.46	23.45	54.01	0.00	76.2	—	ND<1.00	ND<1.00	ND<1.00	17.7	ND<10.0	ND<1.00	ND<1.00	—	—	ND<1,000 ND<10,000	
MW5	02/19/03 a	77.46	23.12	54.34	0.00	130	—	ND<1.00	ND<1.00	ND<1.00	42.2	22.4	ND<1.00	ND<1.00	—	—	—	
MW5	05/07/03 a	77.46	21.70	55.76	0.00	113	—	9.7	5.2	1	6.1	58.4	20.2	ND<1.00	ND<1.00	—	—	—
MW5	08/05/03 a	77.46	22.44	55.02	0.00	150	—	ND<1.00	ND<1.00	ND<1.00	—	69.1	40.2	ND<1.00	ND<1.00	—	—	—
MW5	11/04/03 a	77.46	23.24	54.22	0.00	132	—	ND<1.00	ND<1.00	ND<1.00	—	62.7	54.5	ND<1.00	ND<1.00	1.1	—	—
MW5	02/04/04 a	77.46	23.32	54.14	0.00	ND<100	—	ND<0.50	ND<1.0	ND<1.0	—	130	170	ND>2.0	ND<2.0	ND<100	ND<100	ND<100
MW5	05/07/04 a	77.46	22.91	54.55	0.00	219	—	ND<1.00	ND<1.00	ND<1.00	—	189	230	ND<1.00	ND<1.00	—	—	—
MW5	08/02/04 a	77.46	23.62	53.84	0.00	134	—	ND<1.00	ND<1.00	ND<1.00	—	53.4	71.2	ND<1.00	ND<1.00	—	—	—
MW5	11/08/04 a	77.46	22.37	55.09	0.00	95.6	—	ND<1.00	ND<1.00	ND<1.00	—	42.5	27.1	ND<1.00	ND<1.00	—	—	—
MW5	02/09/05 a	77.46	20.44	57.02	0.00	107	—	15	ND<1.00	ND<1.00	—	35.2	70.6	ND<1.00	ND<1.00	—	—	—
MW5	05/18/05 a	77.46	18.74	58.72	0.00	57.8	—	<1.00	<1.00	<1.00	—	34.4	36.9	<1.00	<1.00	<1.00	—	—
MW5	08/23/05 a	77.46	19.54	57.92	0.00	<50.0	—	<1.00	<1.00	<1.00	—	12.7	64.4	<1.00	<1.00	<1.00	—	—
MW5	11/16/05 a	77.46	20.06	57.40	0.00	83.8	—	<1.00	<1.00	<1.00	—	7.84	21.2	<1.00	<1.00	<1.00	—	—
MW5	02/28/06	77.46	20.22	57.24	0.00	81.6	—	<1.00	<1.00	<1.00	26.1	6.36	26.1	<1.00	<1.00	<1.00	<1.00	<1.00
SCREEN INTERVAL (feet bgs): 15 to 40																		
MW6	09/17/90 a	--	25.19	--	0.00	—	ND	—	—	—	12	1.6	1.2	4.3	—	—	—	—
MW6	01/04/91 a	74.76	26.73	48.03	0.00	—	ND	—	—	—	0.6	ND	ND	ND	ND	ND	ND	ND
MW6	02/25/93 a	74.76	22.71	52.05	0.00	970	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND
MW6	06/17/93 a	74.76	20.78	53.40	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	09/14/93 a	74.18	21.94	52.24	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	12/15/93 a	74.18	22.00	52.18	0.00	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	03/30/94 a	74.18	21.52	52.66	0.00	280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	06/13/94 a	74.18	20.75	53.43	0.00	840	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	09/01/94 a	74.18	21.28	52.90	0.00	370	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	12/02/94 a	74.18	21.74	52.44	0.00	2200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	02/21/95 a	74.18	19.93	54.25	0.00	520	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	03/15/95 a	74.18	19.87	54.31	0.00	590	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	05/15/95 a	74.18	17.15	57.03	0.00	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	09/28/95 a	74.18	16.83	57.35	0.00	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	10/18/95 a	74.18	17.23	56.95	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—
MW6	04/16/96 a	--	--	--	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	04/16/96 a	74.18	--	--	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	07/11/96 a	74.18	17.48	56.70	0.00	ND	—	—	—	—	—	—	—	—	—	—	—	—
MW6	01/08/97 a	74.18	17.02	57.16	0.00	ND	—	—	—	—	—	—	—	—	—	—	—	—
MW6	04/30/97 a	74.18	17.36	56.82	0.00	68	—	—	—	—	—	—	—	—	—	—	—	—
MW6	07/24/97 a	74.18	--	--	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	10/24/97 a	74.18	18.04	56.14	0.00	ND	—	—	—	—	—	—	—	—	—	—	—	—
MW6	01/21/98 a	74.18	--	--	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW6	04/20/98 a	74.18	10.94	63.24	0.00	190	—	—	—	—	—	—	—	—	—	—	—	—
MW6	06/01/98 a	74.18	11.86	62.32	0.00	1,400	—	24	—	—	30	—	120	—	—	—	—	—
MW6	06/01/98 a	--	--	--	—	1,500	—	1.6	—	23	15	—	100	—	71	—	—	—

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Elevation (feet)	Ground-water Thickness (feet)	LPH (feet)	TPH-g (µg/l)	TPRH (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	MTBE (µg/l)	TAME (µg/l)	ETBE (µg/l)	Ethanol (µg/l)	8260B (µg/l)	Methanol (µg/l)
MW6	09/28/98	a	74.18	12.35	61.83	0.00	--	--	--	--	--	--	--	--	--	--	--	--
MW6	12/16/98	a	74.18	13.41	60.77	0.00	ND	ND	ND	ND	1,620	--	--	--	--	--	--	--
MW6	03/11/99	a	74.18	14.66	59.52	0.00	1,500	ND	ND	ND	2,100	--	--	--	--	--	--	--
MW6	06/21/99	a	74.18	13.24	60.94	0.00	220	ND	ND	ND	410	--	--	--	--	--	--	--
MW6	09/17/99	a	74.18	14.48	59.70	0.00	360	--	ND	ND	500	--	--	--	--	--	--	--
MW6	12/22/99	a	74.18	12.45	61.73	0.00	ND	--	5.4	3.5	6.1	ND	--	--	--	--	--	--
MW6	03/02/00	a	74.18	13.17	61.01	0.00	59	--	ND<0.30	ND<0.30	ND<0.60	73	--	ND<20	ND<1.0	ND<1.0	ND<200	ND<200
MW6	06/21/00	a	74.18	13.58	60.60	0.00	ND<50	--	ND<0.30	ND<0.30	ND<0.60	10	9	ND<20	ND<1.0	ND<1.0	ND<200	ND<200
MW6	09/12/00	a	70.74	15.15	55.59	0.00	57	--	ND<1.0	ND<1.0	ND<1.0	--	86	ND<20	ND<1.0	ND<1.0	--	--
MW6	12/13/00	a	70.74	16.80	53.94	0.00	240	--	ND<1.0	ND<1.0	ND<1.0	--	420	ND<21	ND<1.0	ND<1.0	1	--
MW6	02/21/01	a	70.74	16.37	54.37	0.00	ND<50	--	ND<1	ND<1	ND<1	--	26	ND<20	ND<1	ND<1	--	--
MW6	05/21/01	a	70.74	14.43	56.31	0.00	ND<100	--	ND<1.0	ND<1.0	ND<1.0	--	2.4	ND<50	ND<2.0	ND<2.0	ND<100	ND<100
MW6	08/01/01	a	70.74	15.19	55.55	0.00	ND<100	--	ND<1.0	ND<1.0	ND<1.0	--	13	ND<50	ND<2.0	ND<2.0	ND<100	ND<100
MW6	10/31/01	a	70.74	16.20	54.54	0.00	ND<100	--	ND<1.0	ND<1.0	ND<1.0	--	1.2	ND<50	ND<2.0	ND<2.0	ND<100	ND<100
MW6	02/25/02	a	76.44	16.13	60.31	0.00	520	--	ND<1.0	ND<1.0	ND<1.0	--	2600	280	--	--	--	ND<100
MW6	05/29/02	a	76.44	16.35	60.09	0.00	81.3	--	ND<1.0	ND<1.0	ND<1.0	--	189	ND<10	ND<1.0	ND<1.0	--	--
MW6	08/26/02	a	76.44	15.05	61.39	0.00	ND<50.0	--	ND<1.0	ND<1.0	ND<1.0	--	ND<2.00	ND<10.0	ND<1.0	ND<1.0	--	--
MW6	11/25/02	a	76.44	14.20	62.24	0.00	824	--	ND<1.00	ND<1.00	ND<1.00	--	1,620	651	ND<1.0	ND<1.0	--	--
MW6	02/19/03	a	76.44	13.71	62.73	0.00	98.7	--	ND<1.00	ND<1.00	ND<1.00	--	115	130	ND<1.00	ND<1.00	--	ND<1,000 ND<10,000
MW6	05/07/03	a	76.44	11.75	64.69	0.00	ND<50.0	--	ND<1.00	3.2	ND<1.00	3.8	8.4	ND<10.0	ND<1.00	ND<1.00	--	--
MW6	08/05/03	a	76.44	13.98	62.46	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	3.1	ND<10.0	ND<1.00	ND<1.00	--	--
MW6	11/04/03	a	76.44	12.98	63.46	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	3.4	ND<10.0	ND<1.00	ND<1.00	--	--
MW6	02/04/04	a	76.44	11.58	64.86	0.00	ND<100	--	ND<0.50	ND<1.0	ND<1.0	--	115	130	ND<1.00	ND<1.00	--	--
MW6	05/07/04	a	76.44	13.00	63.44	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	2.8	ND<10	ND<2.0	ND<2.0	--	ND<100
MW6	08/02/04	a	76.44	16.96	59.48	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<10.0	ND<1.00	ND<1.00	--	--
MW6	11/08/04	a	76.44	22.13	54.31	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	3.1	ND<10.0	ND<1.00	ND<1.00	--	--
MW6	02/09/05	a	76.44	12.71	63.73	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<10.0	ND<1.00	ND<1.00	--	--
MW6	05/18/05	a	76.44	11.71	64.73	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	<1.00	--
MW6	08/23/05	a	76.44	12.01	64.43	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	<1.00	--
MW6	11/16/05	a	76.44	12.17	64.27	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	<1.00	--
MW6	02/28/06	a	76.44	11.78	64.66	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	1.83	--	--
MW7	SCREEN INTERVAL (feet bgs): 10 to 40										--	--	--	--	--	--	--	--
MW7	02/25/93	a	--	--	--	--	--	--	--	--	7,300	5,600	1,800	4,000	--	--	--	--
MW7	06/17/93	a	73.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW7	09/14/93	a	73.20	24.95	48.27	0.02	--	--	--	--	--	--	--	--	--	--	--	--
MW7	12/15/93	a	73.20	25.27	47.93	Trace	23,000	9.6	8,000	3,100	1,500	2,200	--	--	--	--	--	--
MW7	03/29/94	a	73.20	23.68	49.52	Trace	34,000	7.9	7,400	3,000	2,100	3,800	--	--	--	--	--	--
MW7	06/13/94	a	73.20	23.32	49.88	Trace	38,000	13	6,400	3,200	2,000	3,100	--	--	--	--	--	--
MW7	09/01/94	a	73.20	23.50	49.70	0.00	28,000	5.3	6,700	1,600	1,200	1,900	--	--	--	--	--	--
MW7	12/02/94	a	73.20	24.06	49.14	0.00	21,000	4.7	3,200	720	1,400	970	--	--	--	--	--	--
MW7	02/21/95	a	73.20	20.31	52.89	0.00	30,000	10	5,300	2,900	1,800	3,400	--	--	--	--	--	--
MW7	03/15/95	a	73.20	23.07	50.13	0.00	18,000	8.9	4,000	1,200	1,900	1,700	--	--	--	--	--	--

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Water Elevation (feet)	Ground-water Thickness (feet)	LPH	TPH-g ($\mu\text{g/l}$)	TPH-b ($\mu\text{g/l}$)	Benzene ($\mu\text{g/l}$)	Toluene ($\mu\text{g/l}$)	Ethyl-benzene ($\mu\text{g/l}$)	Total Xylenes ($\mu\text{g/l}$)	MTBE 8021B ($\mu\text{g/l}$)	MTBE 8260B ($\mu\text{g/l}$)	TAME 8260B ($\mu\text{g/l}$)	Ethanol 8015B ($\mu\text{g/l}$)	Methanol 8015B ($\mu\text{g/l}$)
MW7	05/15/95 a	73.20	18.88	54.32	0.00	34,000	1	6,100	2,300	2,400	2,700	--	--	--	--	--
MW7	09/28/95 a	73.20	19.34	53.86	0.00	49,000	17	9,600	9,800	2,300	4,700	--	--	--	--	--
MW7	10/18/95 a	--	--	--	0.00	30,000	--	4,800	2,200	2,200	3,800	--	--	--	--	--
MW7	10/18/95 a	73.20	19.35	53.85	0.00	30,000	19	6,700	4,400	2,300	3,300	--	--	--	--	--
MW7	04/16/96 a	--	--	--	0.00	28,000	ND	2,100	1,500	1,900	2,600	--	--	--	--	--
MW7	04/16/96 a	73.20	--	--	0.00	36,000	15,000	4,100	3,100	2,100	3,200	690	--	--	--	--
MW7	07/11/96 a	73.20	19.24	53.96	0.00	32,000	--	2,600	1,400	1,800	2,400	ND	--	--	--	--
MW7	10/08/96 a	73.20	19.32	53.88	0.00	60,000	--	7,500	8,500	2,000	4,900	2,100	--	--	--	--
MW7	01/08/97 a	73.20	--	--	0.00	--	--	--	--	--	--	--	--	--	--	--
MW7	04/30/97 a	73.20	17.23	55.97	0.00	17,000	--	1,200	210	1,700	2,000	2,000	320	--	--	--
MW7	07/24/97 a	73.20	17.78	55.42	0.00	26,000	--	42	150	1,600	1,700	300	--	--	--	--
MW7	10/24/97 a	73.20	18.60	54.60	0.00	21,000	--	2,200	360	1,900	930	ND	--	--	--	--
MW7	01/21/98 a	73.20	17.83	55.37	0.00	28,000	--	2,000	460	1,900	1,000	ND	--	--	--	--
MW7	04/20/98 a	73.20	12.68	60.52	0.00	29,000	--	1,600	770	1,700	1,200	ND	--	--	--	--
MW7	09/28/98 a	73.20	15.33	57.87	0.00	32,900	--	1,600	820	2,080	1,420	267	--	--	--	--
MW7	12/16/98 a	73.20	16.31	56.89	0.00	71,200	--	5,040	4,160	5,820	5,760	474	--	--	--	--
MW7	03/11/99 a	73.20	16.67	56.53	0.00	31,000	--	2,200	540	2,000	920	ND	--	--	--	--
MW7	06/21/99 a	73.20	16.53	56.67	0.00	33,000	--	1,600	900	1,900	1,400	ND	--	--	--	--
MW7	09/17/99 a	73.20	17.20	56.00	0.00	32,000	--	2,000	970	2,000	1,500	ND	--	--	--	--
MW7	12/22/99 a	73.20	17.16	56.04	0.00	30,000	--	1,800	990	2,100	1,600	ND	--	--	--	--
MW7	03/02/00 a	73.20	17.34	55.86	0.00	7,500	--	95	37	370	280	ND<100	--	--	--	--
MW7	06/21/00 a	73.20	17.57	55.63	0.00	25,000	--	1,900	1,000	2,100	1,200	ND<50	ND<20	ND<1.0	ND<1.0	ND<200
MW7	09/12/00 a	69.79	17.35	52.44	0.00	18,000	--	780	390	1,600	360	--	ND<5.0	ND<2.0	ND<2.0	--
MW7	12/13/00 a	69.79	19.20	50.59	0.00	18,000	--	1,000	580	1,800	640	--	ND<5.0	ND<3.0	ND<3.0	--
MW7	02/21/01 a	69.79	18.86	50.93	0.00	28,000	--	910	430	2,000	720	--	ND<5	ND<2.0	ND<2.0	--
MW7	05/21/01 a	69.79	17.30	52.49	0.00	11,000	--	490	180	1,300	167	--	ND<20	ND<1,000	ND<40	ND<100
MW7	08/01/01 a	69.79	18.06	51.73	0.00	29,000	--	850	510	1,700	560	--	ND<20	ND<1,000	ND<40	ND<100
MW7	10/31/01 a	69.79	19.00	50.79	0.00	19,000	--	890	460	1,600	410	--	ND<10	ND<500	ND<20	ND<100
MW7	02/25/02 a	75.45	19.70	55.75	0.00	19,000	--	1,200	460	2,000	500	--	ND<20	ND<1,000	ND<40	ND<100
MW7	05/29/02 a	75.45	19.49	55.96	0.00	23,200	--	1,160	836	1,670	904	--	ND<20	ND<100	ND<10	--
MW7	08/26/02 a	75.45	19.29	56.16	0.00	22,900	--	1,540	1,200	2,420	1,190	--	ND<2.00	ND<10.0	ND<1.00	ND<1.00
MW7	11/25/02 a	75.45	18.99	56.46	0.00	20,800	--	935	691	1,770	1,200	--	ND<20.0	ND<100	ND<10.0	ND<10.0
MW7	02/19/03 a	75.45	18.16	57.29	0.00	14,500	--	599	280	1,700	609	--	ND<2.00	ND<10.0	ND<1.00	ND<1.00
MW7	05/07/03 a	75.45	17.69	57.76	0.00	20,600	--	696	414	2,350	840	--	ND<2.00	ND<10.0	1.5	ND<1.00
MW7	08/05/03 a	75.45	18.04	57.41	0.00	47,500	--	1,020	644	1,990	614	--	ND<2.00	ND<10.0	ND<1.00	ND<1.00
MW7	11/04/03 a	75.45	19.08	56.37	0.00	15,800	--	1,440	877	2,200	886	--	ND<20.0	ND<100	ND<10.0	ND<10.0
MW7	02/04/04 a	75.45	19.78	55.67	0.00	25,000	--	350	95	1,700	720	--	ND<10	ND<100	ND<20	ND<20
MW7	05/07/04 a	75.45	19.38	56.07	0.00	14,600	--	628	251	1,200	523	--	ND<2.00	ND<10.0	1.6	ND<1.00
MW7	08/02/04 a	75.45	19.49	55.96	0.00	25,300	--	950	418	1,870	501	--	ND<10.0	4.9	ND<1.00	ND<1.00
MW7	11/08/04 a	75.45	18.23	57.22	0.00	23,500	--	746	422	2,120	472	--	ND<2.00	19.4	1.6	ND<1.00
MW7	02/09/05 a	75.45	17.01	58.44	0.00	16,500	--	1,340	970	2,190	645	--	2.3	50.5	1.2	ND<1.00
MW7	05/18/05	75.45	15.51	59.94	0.00	14,600	--	1,800	792	2,260	410	--	<2.00	<10.0	1.20	<1.00
MW7	08/23/05	75.45	16.67	58.78	0.00	14,000	--	2,020	684	1,930	362	--	<2.00	<10.0	<1.00	<1.00
MW7	11/16/05	75.45	17.61	57.84	0.00	15,000	--	1,890	761	2,480	458	--	<2.00	<10.0	<1.00	<1.00
MW7	02/28/06	75.45	17.97	57.48	0.00	13,400	--	1,420	405	1,400	249	--	<2.00	<10.0	<1.00	<1.00

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC Elevation (feet)	Water Elevation (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TPH-e (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	MTBE (µg/l)	TBA (µg/l)	ETBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	8260B (µg/l)	8015B (µg/l)	Methanol (µg/l)
SCREEN INTERVAL (feet bgs): 15 to 45																				
MW8	02/25/93	a	--	28.79	--	0.00	2,600	2.4	1,100	7.5	ND	18	--	--	--	--	--	--	--	
MW8	06/17/93	a	74.92	25.00	49.92	0.00	3,300	1.3	670	19	ND	120	--	--	--	--	--	--	--	
MW8	09/14/93	a	74.92	25.48	49.44	0.00	3,200	ND	930	39	ND	130	--	--	--	--	--	--	--	
MW8	12/15/93	a	74.92	25.21	49.71	0.00	2,100	ND	960	26	50	130	--	--	--	--	--	--	--	
MW8	03/29/94	a	74.92	24.48	50.44	0.00	1,000	ND	590	76	ND	18	--	--	--	--	--	--	--	
MW8	06/13/94	a	74.92	24.03	50.89	0.00	4,700	ND	2,500	27	55	55	--	--	--	--	--	--	--	
MW8	09/01/94	a	74.92	24.50	50.42	0.00	5,500	ND	50	ND	ND	ND	--	--	--	--	--	--	--	
MW8	12/02/94	a	74.92	24.60	50.32	0.00	7,300	ND	1,900	32	60	ND	--	--	--	--	--	--	--	
MW8	02/21/95	a	74.92	22.41	52.51	0.00	4,800	ND	3,300	34	110	64	--	--	--	--	--	--	--	
MW8	03/15/95	a	74.92	22.36	52.56	0.00	4,700	ND	2,700	35	110	66	--	--	--	--	--	--	--	
MW8	05/15/95	a	74.92	20.45	54.47	0.00	3,800	1	2,100	34	92	78	--	--	--	--	--	--	--	
MW8	09/28/95	a	74.92	21.00	53.92	0.00	4,200	1.5	1,600	ND	39	ND	--	--	--	--	--	--	--	
MW8	10/18/95	a	--	--	--	--	ND	--	320	ND	ND	ND	--	--	--	--	--	--	--	
MW8	10/18/95	a	74.92	21.01	53.91	0.00	2,700	ND	1,300	ND	32	ND	--	--	--	--	--	--	--	
MW8	04/16/96	a	74.92	--	--	--	1,700	ND	1,000	ND	23	ND	--	--	--	--	--	--	--	
MW8	04/16/96	a	--	--	--	--	ND	ND	7.2	ND	ND	ND	--	--	--	--	--	--	--	
MW8	07/11/96	a	74.92	20.30	54.62	0.00	1,200	--	400	9	18	23	ND	--	--	--	--	--	--	
MW8	10/08/96	a	74.92	20.48	54.44	0.00	290	--	7.1	ND	ND	ND	--	--	--	--	--	--	--	
MW8	01/08/97	a	74.92	19.20	55.72	0.00	ND	--	15	ND	ND	ND	--	--	--	--	--	--	--	
MW8	04/30/97	a	74.92	18.32	56.60	0.00	ND	--	0.59	ND	ND	ND	--	--	--	--	--	--	--	
MW8	07/24/97	a	74.92	18.80	56.12	0.00	ND	--	0.87	ND	ND	ND	11	--	--	--	--	--	--	
MW8	10/24/97	a	74.92	19.34	55.58	0.00	ND	--	1.2	ND	ND	ND	--	--	--	--	--	--	--	
MW8	01/21/98	a	74.92	18.90	56.02	0.00	ND	--	0.7	ND	ND	ND	--	--	--	--	--	--	--	
MW8	04/20/98	a	74.92	15.17	59.75	0.00	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	
MW8	09/28/98	a	74.92	17.00	57.92	0.00	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	
MW8	12/16/98	a	74.92	17.54	57.38	0.00	ND	--	1.7	ND	ND	ND	--	--	--	--	--	--	--	
MW8	03/11/99	a	74.92	18.10	56.82	0.00	ND	--	1.5	ND	ND	ND	--	--	--	--	--	--	--	
MW8	06/21/99	a	74.92	--	--	--	--	--	--	ND	ND	ND	--	--	--	--	--	--	--	
MW8	09/17/99	a	74.92	18.42	56.50	0.00	ND	--	2.2	ND	0.7	ND	--	--	--	--	--	--	--	
MW8	12/22/99	a	74.92	--	--	--	--	--	--	ND	ND	ND	--	--	--	--	--	--	--	
MW8	03/02/00	a	74.92	19.16	55.76	0.00	ND<50	--	1.3	ND<0.30	ND<0.30	ND<0.60	ND<10	--	--	--	--	--	--	
MW8	06/21/00	a	74.92	--	--	--	--	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
MW8	09/12/00	a	71.50	20.30	51.20	0.00	ND	--	ND	ND<1	ND<1	ND<1	ND<20	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	
MW8	12/13/00	a	71.50	21.00	50.50	0.00	ND	--	ND	ND<1	ND<1	ND<1	ND<20	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	
MW8	02/21/01	a	71.50	20.12	51.38	0.00	ND>50	--	ND	ND<0.5	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	
MW8	05/21/01	a	71.50	19.30	52.20	0.00	ND<100	--	ND	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	
MW8	08/01/01	a	71.50	20.23	51.27	0.00	ND<100	--	ND	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	
MW8	10/31/01	a	71.50	21.14	50.36	0.00	ND<100	--	ND	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	
MW8	02/25/02	a	77.21	21.80	55.41	0.00	ND<100	--	ND	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	
MW8	05/29/02	a	77.21	22.15	55.06	0.00	ND<50	--	1.43	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
MW8	08/26/02	a	77.21	22.52	54.69	0.00	ND<50.0	--	6.95	ND<1.00	ND<1.00	ND<1.00	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
MW8	11/25/02	a	77.21	23.02	54.19	0.00	87.1	--	33.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g ($\mu\text{g/l}$)	TPH-g ($\mu\text{g/l}$)	Benzene ($\mu\text{g/l}$)	Toluene ($\mu\text{g/l}$)	Ethyl-benzene ($\mu\text{g/l}$)	Total Xylenes ($\mu\text{g/l}$)	MTBE 8021B ($\mu\text{g/l}$)	MTBE 8260B ($\mu\text{g/l}$)	TBA 8260B ($\mu\text{g/l}$)	ETBE 8260B ($\mu\text{g/l}$)	TAME 8015B ($\mu\text{g/l}$)	Ethanol 8260B ($\mu\text{g/l}$)	Methanol 8015B ($\mu\text{g/l}$)
MW8	02/19/03 a	77.21	22.83	54.38	0.00	94.3	--	24.5	ND<1.00	ND<1.00	--	ND<2.00	27.4	ND<1.00	2.5	ND<1,000 ND<10,000	
MW8	05/07/03 a	77.21	21.41	55.80	0.00	165	--	31.5	3.4	ND<1.00	--	ND<2.00	26.7	ND<1.00	--	--	
MW8	08/05/03 a	77.21	21.98	55.23	0.00	158	--	31.4	2.5	ND<1.00	--	ND<2.00	46.2	ND<1.00	--	--	
MW8	11/04/03 a	77.21	22.78	54.43	0.00	168	--	41.7	1.1	ND<1.00	ND<1.00	ND<2.00	ND<1.00	ND<1.00	2.6	ND<100	
MW8	02/04/04 a	77.21	22.86	54.35	0.00	180	--	67	ND<1.0	ND<1.0	--	ND<1.0	120	ND>2.0	ND>2.0	--	
MW8	05/07/04 a	77.21	22.40	54.81	0.00	389	--	91.9	1.6	ND<1.00	ND<1.00	ND<2.00	72.7	ND<1.00	ND<1.00	--	
MW8	08/02/04 a	77.21	23.14	54.07	0.00	144	--	38.8	ND<1.00	ND<1.00	--	ND<2.00	40.5	ND<1.00	ND<1.00	--	
MW8	11/08/04 a	77.21	21.49	55.72	0.00	672	--	198	2.6	ND<1.00	1.1	ND<2.00	55.1	ND<1.00	ND<1.00	--	
MW8	02/09/05 a	77.21	20.10	57.11	0.00	203	--	67	ND<1.00	ND<1.00	--	ND<2.00	71.8	ND<1.00	ND<1.00	--	
MW8	05/18/05	77.21	18.11	59.10	0.00	50.1	--	3.40	<1.00	<1.00	--	>2.00	31.8	<1.00	<1.00	--	
MW8	08/23/05	77.21	18.72	58.49	0.00	<50.0	--	1.02	<1.00	<1.00	--	>2.00	<10.0	<1.00	<1.00	--	
MW8	11/16/05	77.21	19.35	57.86	0.00	<50.0	--	<1.00	<1.00	<1.00	--	>2.00	<10.0	<1.00	<1.00	--	
MW8	02/28/06	77.21	19.58	57.63	0.00	--	<1.00	<1.00	<1.00	<1.00	--	<10.0	<1.00	<1.00	<1.00	--	
MW9	SCREEN INTERVAL (feet bgs): 15 to 40										--						
MW9	12/15/93 a	—	26.57	--	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	03/29/94 a	75.49	25.76	49.73	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	06/13/94 a	75.49	25.35	50.14	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	09/01/94 a	75.49	25.77	49.72	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	12/02/94 a	75.49	25.99	49.50	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	02/21/95 a	75.49	23.30	52.19	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	03/15/95 a	75.49	23.23	52.26	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	05/15/95 a	75.49	21.55	53.94	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	09/28/95 a	75.49	22.32	53.17	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	10/18/95 a	75.49	22.34	53.15	0.00	--	--	--	--	--	--	--	--	--	--	--	
MW9	04/16/96 a	--	--	--	--	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	04/16/96 a	75.49	--	--	--	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	07/11/96 a	75.49	20.62	54.87	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	01/08/97 a	75.49	19.77	55.72	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	04/30/97 a	75.49	17.83	57.66	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	07/24/97 a	75.49	17.15	58.34	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	10/24/97 a	75.49	17.34	58.15	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	01/21/98 a	75.49	18.49	57.09	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	04/20/98 a	75.49	12.70	62.79	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	09/28/98 a	75.49	12.88	62.61	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	12/16/98 a	75.49	14.84	60.65	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	03/11/99 a	75.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW9	06/21/99 a	75.49	17.49	58.00	0.00	ND	--	1.5	3.4	1.3	4	ND	--	--	--	--	
MW9	09/17/99 a	75.49	--	--	--	ND	--	ND	ND	ND	ND	24	--	--	--	--	
MW9	12/22/99 a	75.49	19.82	55.67	0.00	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	06/21/00 a	75.49	20.05	55.44	0.00	ND	<50	--	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	09/12/00 a	72.06	21.02	51.04	0.00	ND	<50	--	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	12/13/00 a	72.06	21.53	50.53	0.00	ND	<50	--	ND	ND	ND	ND	ND	ND	ND	ND	
MW9	02/21/01 a	72.06	21.21	50.85	0.00	--	--	--	--	--	--	--	--	--	--	--	

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	Depth to Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g ($\mu\text{g/l}$)	TPH-g ($\mu\text{g/l}$)	Benzene ($\mu\text{g/l}$)	Toluene ($\mu\text{g/l}$)	Ethylbenzene ($\mu\text{g/l}$)	Total Xylenes ($\mu\text{g/l}$)	MTBE 8021B ($\mu\text{g/l}$)	MTBE 8260B ($\mu\text{g/l}$)	TBA 8260B ($\mu\text{g/l}$)	ETBE 8260B ($\mu\text{g/l}$)	TAME 8015B ($\mu\text{g/l}$)	Ethanol 8260B ($\mu\text{g/l}$)	Methanol 8015B ($\mu\text{g/l}$)
MW9	05/21/01 a	72.06	19.66	52.40	0.00	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	
MW9	08/01/01 a	72.06	20.03	52.03	0.00	--	--	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	
MW9	10/31/01 a	72.06	22.12	49.94	0.00	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	
MW9	02/25/02 a	77.76	22.88	54.88	0.00	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	
MW9	05/29/02 a	77.76	23.16	54.60	0.00	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	
MW9	08/26/02 a	77.76	23.79	53.97	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<10.0	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<1.00	
MW9	11/25/02 a	77.76	24.10	53.66	0.00	ND<50.0	--	ND<1.0	ND<1.0	ND<1.0	ND<10.0	ND<2.0	ND<10.0	ND<1.0	ND<1.0	ND<1.0	
MW9	02/19/03 a	77.76	23.79	53.97	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<10.0	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<1.00	
MW9	05/07/03 a	77.76	22.40	55.36	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<10.0	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<1.00	
MW9	08/05/03 a	77.76	22.98	54.78	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<10.0	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<1.00	
MW9	11/04/03 a	77.76	23.82	53.94	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<10.0	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<1.00	
MW9	02/04/04 a	77.76	24.13	53.63	0.00	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<10	ND<2.0	ND<100	ND<100	
MW9	05/07/04 a	77.76	23.53	54.23	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<10.0	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<1.00	
MW9	08/02/04 a	77.76	24.04	53.72	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<10.0	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<1.00	
MW9	11/08/04 a	77.76	22.77	54.99	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<10.0	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<1.00	
MW9	02/09/05 a	77.76	19.67	58.09	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<10.0	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<1.00	
MW9	05/18/05	77.76	15.51	62.25	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	<1.00	
MW9	08/23/05	77.76	17.88	59.88	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	<1.00	
MW9	11/16/05	77.76	19.51	58.25	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	<1.00	
MW9	02/28/06	77.76	20.18	57.58	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	<1.00	
SCREEN INTERVAL (feet bgs): 15 to 40																	
MW10	12/15/93 a	--	26.27	--	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	03/29/94 a	75.12	25.46	49.66	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	06/13/94 a	75.12	25.24	49.88	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	09/01/94 a	75.12	25.60	49.52	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	12/02/94 a	75.12	25.84	49.28	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	02/21/95 a	75.12	23.60	51.52	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	03/15/95 a	75.12	23.45	51.67	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	05/15/95 a	75.12	21.80	53.32	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	09/28/95 a	75.12	22.40	52.72	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	10/18/95 a	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	10/18/95 a	75.12	22.35	52.77	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	04/16/96 a	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	07/11/96 a	75.12	22.00	53.12	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	10/08/96 a	75.12	21.94	53.18	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	01/08/97 a	75.12	20.65	54.47	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	04/30/97 a	75.12	19.50	55.62	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	07/24/97 a	75.12	20.65	54.47	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	10/24/97 a	75.12	21.39	53.73	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	01/21/98 a	75.12	20.46	54.66	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	04/20/98 a	75.12	15.93	59.19	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	09/29/98 a	75.12	18.79	56.33	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	12/16/98 a	75.12	19.25	55.87	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW10	03/11/99 a	75.12	19.65	55.47	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	Depth to Water (feet)		Ground-water Elevation (feet)		LPH Thickness (feet)	TPH-g (µg/l)	TPH-e (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	TBA (µg/l)	DPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	8260B (µg/l)	8015B (µg/l)	Methanol (µg/l)
		TOC (feet)	Elevation (feet)	(feet)	(feet)																
MW10	06/21/99 a	75.12	19.15	55.97	0.00	150	--	ND	0.5	ND	0.8	260	--	--	--	--	--	--	--	--	
MW10	09/17/99 a	75.12	19.70	55.42	0.00	190	--	0.6	1.8	1.4	210	--	--	--	--	--	--	--	--	--	
MW10	12/22/99 a	75.12	20.46	54.66	0.00	160	--	0.54	0.57	0.42	1.3	260	--	--	--	--	--	--	--	--	
MW10	03/02/00 a	75.12	20.10	55.02	0.00	170	--	ND<0.30	0.46	ND<0.30	0.88	230	--	--	--	--	--	--	--	--	
MW10	06/21/00 a	75.12	20.41	54.71	0.00	120	--	0.7	0.52	ND<0.30	ND<3.0	180	160	ND>20	ND<1.0	ND<1.0	ND>20	--	--	ND>200	
MW10	09/12/00 a	71.64	21.19	50.45	0.00	140	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	200	ND>20	ND<1.0	ND<1.0	ND<1.0	--	--	--	
MW10	12/13/00 a	71.64	21.80	49.84	0.00	110	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	200	ND>20	ND<1.0	ND<1.0	ND<1.0	--	--	--	
MW10	02/21/01 a	71.64	20.60	51.04	0.00	110	--	ND<1	ND<1	ND<1	ND<1	--	150	ND>20	ND<1	ND<1	ND<1	--	--	--	
MW10	05/21/01 a	71.64	20.18	51.46	0.00	ND<100	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	--	65	ND<50	ND<2.0	ND<2.0	ND<2.0	930	--	ND<100	
MW10	08/01/01 a	71.64	21.00	50.64	0.00	ND<100	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	--	57	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<100	--	ND<100	
MW10	10/31/01 a	71.64	21.87	49.77	0.00	ND<100	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	--	28	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<100	--	ND<100	
MW10	02/25/02 a	77.39	22.40	54.99	0.00	ND<100	--	0.58	ND<1.0	ND<1.0	ND<1.0	--	20	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<100	--	ND<100	
MW10	05/29/02 a	77.39	22.58	54.81	0.00	ND<50	--	ND<1	ND<1	ND<1	ND<1	--	64.1	ND<10	ND<1	ND<1	ND<1	--	--	--	
MW10	08/26/02 a	77.39	23.17	54.22	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	37.7	ND<10.0	ND<1.00	ND<1.00	ND<1.00	--	--	--	
MW10	11/2/02 a	77.39	23.52	53.87	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	27	ND<10.0	ND<1.00	ND<1.00	ND<1.00	--	--	--	
MW10	02/19/03 a	77.39	23.26	54.13	0.00	69.7	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	74.5	ND<10.0	ND<1.00	ND<1.00	ND<1.00	--	ND<1,000	ND<10,000	
MW10	05/07/03 a	77.39	22.06	55.33	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	98	ND<10.0	ND<1.00	ND<1.00	ND<1.00	--	--	--	
MW10	08/05/03 a	77.39	22.68	54.71	0.00	102	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	102	ND<10.0	ND<1.00	ND<1.00	ND<1.00	--	--	--	
MW10	11/04/03 a	77.39	23.51	53.88	0.00	50.6	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	42.6	ND<10.0	ND<1.00	ND<1.00	ND<1.00	--	--	--	
MW10	02/04/04 a	77.39	23.88	53.51	0.00	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	--	70	ND<10	ND>2.0	ND>2.0	ND>2.0	--	ND<100	--	
MW10	05/07/04 a	77.39	23.31	54.08	0.00	54.5	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	75.3	23.2	ND<1.00	ND<1.00	ND<1.00	--	--	--	
MW10	08/02/04 a	77.39	23.95	53.44	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	31.6	ND<10.0	ND<1.00	ND<1.00	ND<1.00	--	--	--	
MW10	11/08/04 a	77.39	22.59	54.80	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	45.7	ND<10.0	ND<1.00	ND<1.00	ND<1.00	--	--	--	
MW10	02/09/05 a	77.39	20.61	56.78	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	50.9	ND<10.0	ND<1.00	ND<1.00	ND<1.00	--	--	--	
MW10	05/18/05	77.39	20.10	57.29	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	--	34.8	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	--	
MW10	08/23/05	77.39	19.92	57.47	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	--	27.4	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	--	
MW10	11/16/05	77.39	20.58	56.81	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	--	21.2	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	--	
MW10	02/28/06	77.39	20.61	56.78	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	--	28.8	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	--	
MW11	SCREEN INTERVAL (feet bgs): 15 to 40																				
MW11	12/15/93 a	--	24.47	--	0.00	2,700	1.3	1,100	32	58	63										
MW11	03/29/94 a	75.35	22.59	52.76	0.00	2,900	ND	1,500	11	ND	35										
MW11	06/13/94 a	75.35	22.28	53.07	0.00	3,200	1.7	1,400	ND	ND	ND										
MW11	09/01/94 a	75.35	23.18	52.17	0.00	4,700	ND	2,200	ND	ND	96										
MW11	12/02/94 a	75.35	24.29	51.06	0.00	1,900	ND	460	ND	ND	ND										
MW11	02/21/95 a	75.35	20.55	54.80	0.00	ND	ND	1,100	ND	ND	22										
MW11	03/15/95 a	75.35	21.46	53.89	0.00	2,500	ND	1,300	ND	ND	44										
MW11	05/15/95 a	75.35	19.11	56.24	0.00	ND	1.2	870	ND	ND	41										
MW11	09/28/95 a	75.35	19.63	55.72	0.00	1,100	2	840	ND	ND	7.5										
MW11	10/18/95 a	--	--	--	--	1,600	--	940	ND	ND	ND										
MW11	10/18/95 a	75.35	19.94	55.41	0.00	4,600	ND	3,300	100	260	ND										
MW11	04/16/96 a	--	--	--	--	650	ND	24	ND	ND	1										
MW11	04/16/96 a	75.35	--	--	--	3,100	1,200	ND	1,300	ND	130										
MW11	07/11/96 a	75.35	19.70	55.65	0.00	1,200	--	430	ND	ND	34										

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	MTBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	Ethanol (µg/l)	Methanol (µg/l)	
MW11	10/08/96 a	75.35	19.42	55.93	0.00	2,700	--	57	ND	130	ND	100	--	--	--	--	
MW11	01/08/97 a	75.35	17.94	57.41	0.00	1,700	--	1,100	ND	47	ND	47	--	--	--	--	
MW11	04/30/97 a	75.35	17.23	58.12	0.00	150	--	1.5	ND	ND	ND	12	--	--	--	--	
MW11	07/24/97 a	75.35	17.90	57.45	0.00	8,800	--	4,200	ND	ND	ND	ND	--	--	--	--	
MW11	10/24/97 a	75.35	18.38	56.97	0.00	7,800	--	6,400	50	650	ND	ND	--	--	--	--	
MW11	01/21/98 a	75.35	17.85	57.50	0.00	11,000	--	4,800	8	560	9	ND	--	--	--	--	
MW11	04/20/98 a	75.35	13.72	61.63	0.00	9,900	--	4,100	10	490	13	ND	--	--	--	--	
MW11	09/28/98 a	75.35	15.90	59.45	0.00	13,300	--	6,070	14.4	830	ND	ND	--	--	--	--	
MW11	12/16/98 a	75.35	15.94	59.41	0.00	2,560	--	4,240	4.2	174	ND	ND	--	--	--	--	
MW11	03/11/99 a	75.35	16.85	58.50	0.00	9,600	--	5,800	24	510	17	16	--	--	--	--	
MW11	06/21/99 a	75.35	16.43	58.92	0.00	8,200	--	4,400	9	410	17	ND	--	--	--	--	
MW11	09/17/99 a	75.35	17.02	58.33	0.00	11,000	--	6,000	9	540	ND	ND	--	--	--	--	
MW11	12/22/99 a	75.35	17.45	57.90	0.00	2,900	--	1,500	ND	130	ND	ND	--	--	--	--	
MW11	03/02/00 a	75.35	17.64	57.71	0.00	1,800	--	420	ND<1.0	44	ND<3.0	210	--	--	--	--	
MW11	06/21/00 a	75.35	17.83	57.52	0.00	790	--	47	2.5	3.5	440	430	200	ND<1.0	ND<200	ND<200	
MW11	09/12/00 a	71.86	18.68	53.18	0.00	580	--	120	ND<1.0	15	ND<1.0	450	ND<20	ND<1.0	ND<1.0	ND<200	
MW11	12/13/00 a	71.86	19.64	52.22	0.00	3,200	--	1,500	11	220	13	360	190	ND<3.0	ND<3.0	ND<3.0	
MW11	02/21/01 a	71.86	20.30	51.56	0.00	3,000	--	1,100	12	150	18	480	180	ND<1	ND<1	ND<1	
MW11	05/21/01 a	71.86	17.64	54.22	0.00	560	--	18	ND<10	ND<10	ND<10	1,200	ND<500	ND<20	ND<20	ND<100	
MW11	08/01/01 a	71.86	18.31	53.55	0.00	550	--	ND<5.0	ND<10	ND<10	ND<10	520	ND<500	ND<20	ND<20	ND<100	
MW11	10/31/01 a	71.86	18.90	52.96	0.00	770	--	ND>2.5	ND<5.0	ND<5.0	ND<5.0	720	380	ND<10	ND<10	ND<100	
MW11	02/25/02 a	77.60	19.68	57.92	0.00	790	--	1.1	ND<1.0	ND<1.0	ND<2.0	160	ND<50	ND<2.0	ND<2.0	ND<100	
MW11	05/29/02 a	77.60	19.51	58.09	0.00	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10	ND<1.0	ND<1.0	ND<100	
MW11	08/26/02 a	77.60	19.59	58.01	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<100	
MW11	11/25/02 a	77.60	19.60	58.00	0.00	ND<50.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10.0	ND<1.0	ND<1.0	ND<100	
MW11	02/19/03 a	77.60	19.18	58.42	0.00	1,500	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	1,660	561	ND<1.00	ND<1.00	ND<10,000
MW11	05/07/03 a	77.60	20.56	57.04	0.00	ND<50.0	--	1	1.5	ND<1.00	ND<1.00	ND<1.00	30.2	ND<10.0	ND<1.00	ND<1.00	--
MW11	08/05/03 a	77.60	20.11	57.49	0.00	426	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	54.8	ND<10.0	ND<1.00	ND<1.00	--
MW11	11/08/03 a	77.60	18.50	59.10	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	2.2	ND<10.0	ND<1.00	ND<1.00	--
MW11	02/04/04 a	77.60	20.41	57.19	0.00	ND<100	--	0.74	ND<1.0	ND<1.0	ND<1.0	ND<1.0	16	31	ND<2.0	ND<2.0	ND<100
MW11	05/07/04 a	77.60	20.44	57.16	0.00	75	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	7.3	ND<10.0	ND<1.00	ND<1.00	--
MW11	08/02/04 a	77.60	20.15	57.45	0.00	198	--	1.1	ND<1.00	ND<1.00	ND<1.00	ND<1.00	6	ND<10.0	ND<1.00	ND<1.00	--
MW11	11/08/04 a	77.60	18.81	58.79	0.00	766	--	8.4	ND<1.00	ND<1.00	ND<1.00	ND<1.00	14.7	ND<10.0	ND<1.00	ND<1.00	--
MW11	02/09/05 a	77.60	18.30	59.30	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	2.8	21.9	ND<1.00	ND<1.00	ND<1.00
MW11	05/18/05 a	77.60	16.75	60.85	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<1.00	6.40	<10.0	<1.00	<1.00	--
MW11	08/23/05 a	77.60	16.30	61.30	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<1.00	7.52	<10.0	<1.00	<1.00	--
MW11	11/16/05 a	77.60	17.08	60.52	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<1.00	9.35	<10.0	<1.00	<1.00	--
MW11	02/28/06	77.60	17.55	60.05	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	--
MW12	SCREEN INTERVAL (feet bgs): 15 to 40										160	ND	4.4	ND	1.1	--	--
MW12	12/15/93 a	--	25.35	--	0.00	ND	ND	0.77	ND	ND	ND	ND	--	--	--	--	--
MW12	03/29/94 a	73.53	24.58	48.95	0.00	ND	ND	15	0.3	0.8	ND	ND	--	--	--	--	--
MW12	06/13/94 a	73.53	24.42	49.11	0.00	570	ND	ND	0.88	ND	ND	ND	--	--	--	--	--
MW12	09/01/94 a	73.53	24.75	48.78	0.00	ND	ND	--	--	--	--	--	--	--	--	--	--

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Depth to Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	MTBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	Ethanol (µg/l)	Methanol (µg/l)	
MW12	12/02/94 a	73.53	24.01	49.52	0.00	ND	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW12	02/21/95 a	73.53	23.41	50.12	0.00	320	ND	18	1.4	ND	ND	ND	ND	ND	ND	ND	ND	
MW12	03/15/95 a	73.53	23.29	50.24	0.00	150	—	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW12	05/15/95 a	73.53	20.82	52.71	0.00	40	ND	45	0.62	2.7	2.5	ND	ND	ND	ND	ND	ND	
MW12	09/28/95 a	73.53	21.50	52.03	0.00	410	ND	8.9	0.36	0.42	ND	ND	ND	ND	ND	ND	ND	
MW12	10/18/95 a	—	—	—	—	500	—	21	1	1.2	2	—	—	—	—	—	—	
MW12	10/18/95 a	73.53	21.59	51.94	0.00	470	ND	18	1.1	1.2	0.91	—	—	—	—	—	—	
MW12	04/16/96 a	—	—	—	—	1,100	ND	77	ND	18	ND	ND	ND	ND	ND	ND	ND	
MW12	04/16/96 a	73.53	—	—	—	640	ND	26	1.1	4.9	1.2	13	—	—	—	—	—	
MW12	07/11/96 a	73.53	21.30	52.23	0.00	490	—	17	0.61	6	2.4	31	—	—	—	—	—	
MW12	10/08/96 a	73.53	21.22	52.31	0.00	910	—	44	ND	29	23	25	—	—	—	—	—	
MW12	01/08/97 a	73.53	20.40	53.13	0.00	780	—	63	ND	33	9.1	540	—	—	—	—	—	
MW12	04/30/97 a	73.53	19.20	54.33	0.00	7,900	—	2,500	52	920	160	130	—	—	—	—	—	
MW12	07/24/97 a	73.53	19.82	53.71	0.00	3,000	—	250	25	160	130	34	—	—	—	—	—	
MW12	10/24/97 a	73.53	20.40	53.13	0.00	170	—	10	0.31	2.3	1.9	42	—	—	—	—	—	
MW12	01/21/98 a	73.53	19.98	53.55	0.00	1,400	—	36	ND	27	30	ND	—	—	—	—	—	
MW12	04/20/98 a	73.53	15.25	58.28	0.00	1,000	—	56	2.5	16	12	68	—	—	—	—	—	
MW12	09/28/98 a	73.53	17.94	55.59	0.00	2,430	—	94.6	19.9	41	63.1	62.6	—	—	—	—	—	
MW12	12/16/98 a	73.53	19.14	54.39	0.00	5,440	—	26.4	75.7	219	448	50.5	—	—	—	—	—	
MW12	03/11/99 a	73.53	19.11	54.42	0.00	6,300	—	570	83	260	450	130	—	—	—	—	—	
MW12	06/21/99 a	73.53	18.84	54.69	0.00	5,200	—	370	81	250	430	110	—	—	—	—	—	
MW12	09/17/99 a	73.53	19.35	54.18	0.00	3,500	—	140	ND	87	100	130	—	—	—	—	—	
MW12	12/21/99 a	73.53	19.73	53.80	0.00	890	—	75	14	18	34	79	—	—	—	—	—	
MW12	03/02/00 a	73.53	21.02	52.51	0.00	9,600	—	160	100	190	540	83	—	—	—	—	—	
MW12	06/21/00 a	73.53	19.47	54.06	0.00	5,500	—	110	71	140	390	70	66	ND<20	ND<1.0	ND<1.0	ND<200	
MW12	09/12/00 a	75.76	20.15	55.65	0.05	—	—	—	—	—	—	—	—	—	—	—	—	
MW12	12/13/00 a	75.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW12	02/21/01 a	75.76	19.45	56.31	0.00	24,000	—	850	200	970	3,300	—	—	—	—	—	—	
MW12	05/21/01 a	75.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW12	08/01/01 a	75.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW12	10/31/01 a	75.76	21.22	54.57	0.04	—	—	—	—	—	—	—	—	—	—	—	—	
MW12	02/25/02 a	76.03	21.90	54.15	0.02	—	—	—	—	—	—	—	—	—	—	—	—	
MW12	05/29/02 a	76.03	22.12	53.91	0.00	1,710	—	15.5	1.35	7.43	33.5	—	—	84	ND<10	ND<1.0	ND<1.0	
MW12	08/26/02 a	76.03	19.62	56.41	0.00	971	—	26.5	1.18	5.15	5.34	—	—	46.3	ND<10.0	ND<1.0	ND<1.0	
MW12	11/25/02 a	76.03	22.89	53.14	0.00	925	—	30.9	6.6	22.5	12.9	—	—	32.4	ND<10.0	ND<1.0	ND<1.0	
MW12	02/19/03 a	76.03	22.68	53.35	0.00	1,180	—	35.1	4.4	32.8	8.2	—	—	22.8	ND<10.0	ND<1.0	ND<1.0	
MW12	05/07/03 a	76.03	21.57	54.46	0.00	4,020	—	196	106	168	323	—	—	17.6	ND<10.0	ND<1.0	ND<1.0	
MW12	08/05/03 a	76.03	22.39	53.64	0.00	8,760	—	607	805	438	1,040	—	—	26	ND<10.0	ND<1.0	ND<1.0	
MW12	11/04/03 a	76.03	23.16	52.87	0.00	7,340	—	270	515	525	1,280	—	—	32.2	ND<10.0	ND<1.0	ND<1.0	
MW12	02/04/04 a	76.03	23.25	52.78	0.00	11,000	—	48	76	340	690	—	—	160	140	ND>20	ND>20	
MW12	05/07/04 a	76.03	22.54	53.49	0.00	7,760	—	309	195	404	1,060	—	—	164	ND<10.0	ND<1.0	ND<1.0	
MW12	08/02/04 a	76.03	22.93	53.10	0.00	21,400	—	470	364	500	1,110	—	—	109	ND<10.0	ND<1.0	5	
MW12	11/08/04 a	76.03	21.87	54.16	0.00	42,200	—	271	309	1,100	2,690	—	—	71	103	ND<1.00	ND<1.00	—
MW12	02/09/05 a	76.03	19.49	56.54	0.00	85,400	—	1,610	2,320	1,230	4,690	—	—	25.2	19.2	ND<1.00	ND<1.00	—

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	Depth to Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g ($\mu\text{g/l}$)	TPH-b ($\mu\text{g/l}$)	Benzene ($\mu\text{g/l}$)	Toluene ($\mu\text{g/l}$)	Ethyl-benzene ($\mu\text{g/l}$)	Total Xylenes ($\mu\text{g/l}$)	MTBE ($\mu\text{g/l}$)	MTBE ($\mu\text{g/l}$)	TAME ($\mu\text{g/l}$)	Ethanol ($\mu\text{g/l}$)	Ethanol ($\mu\text{g/l}$)	Methanol ($\mu\text{g/l}$)
MW13	12/15/93	a	—	21.93	—	0.01	30,900	—	1,570	636	2,850	—	4.60	<10.0	<1.00	—
MW13	03/29/94	a	72.84	18.50	54.34	0.00	750	ND	45	88	14	80	—	—	—	—
MW13	06/13/94	a	72.84	19.21	53.63	0.00	1,500	1.1	76	140	41	110	—	—	—	—
MW13	09/01/94	a	72.84	20.21	52.63	0.00	1,600	ND	80	92	23	75	—	—	—	—
MW13	12/02/94	a	72.84	20.65	52.19	0.00	5,400	1.2	240	580	120	490	—	—	—	—
MW13	02/21/95	a	72.84	18.93	53.91	0.00	660	ND	32	75	20	62	—	—	—	—
MW13	03/15/95	a	72.84	18.76	54.08	0.00	2,500	1.2	160	440	110	350	—	—	—	—
MW13	05/15/95	a	72.84	15.09	57.75	0.00	2,000	—	1	110	200	84	180	—	—	—
MW13	09/28/95	a	72.84	12.96	59.88	0.00	58	ND	0.99	4.8	1.6	5.7	—	—	—	—
MW13	10/18/95	a	—	—	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—
MW13	10/18/95	a	72.84	13.25	59.59	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—
MW13	04/16/96	a	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	—	—	—
MW13	04/16/96	a	72.84	—	—	—	59	ND	2.6	3.1	1.4	3	ND	—	—	—
MW13	07/11/96	a	72.84	15.22	57.62	0.00	ND	—	ND	ND	ND	ND	ND	—	—	—
MW13	10/08/96	a	72.84	16.10	56.74	0.00	93	—	3.7	1.9	1.3	2.5	ND	—	—	—
MW13	01/08/97	a	72.84	13.36	59.48	0.00	94	—	2.1	3.4	1.6	6.5	ND	—	—	—
MW13	04/30/97	a	72.84	14.23	58.61	0.00	ND	—	0.45	ND	ND	ND	ND	—	—	—
MW13	07/24/97	a	72.84	13.95	58.89	0.00	1,800	—	160	14	99	71	29	—	—	—
MW13	10/24/97	a	72.84	15.85	56.99	0.00	1,100	—	130	96	51	69	110	—	—	—
MW13	01/21/98	a	72.84	16.06	56.78	0.00	480	—	27	13	7.5	12	ND	—	—	—
MW13	04/20/98	a	72.84	10.24	62.60	0.00	230	—	—	—	5.5	16	ND	—	—	—
MW13	09/29/98	a	72.84	10.22	62.62	0.00	ND	—	ND	ND	ND	ND	8.8	—	—	—
MW13	12/16/98	a	72.84	12.32	60.52	0.00	ND	—	ND	ND	ND	ND	ND	—	—	—
MW13	03/11/99	a	72.84	—	—	—	—	—	—	—	—	—	—	—	—	—
MW13	06/21/99	a	72.84	13.99	58.85	0.00	890	—	26	3.7	6.2	3.2	ND	—	—	—
MW13	09/17/99	a	72.84	—	—	—	—	—	—	—	—	—	—	—	—	—
MW13	12/22/99	a	72.84	11.10	61.74	0.00	ND	—	ND	0.37	0.74	ND	ND>5.0	ND<1.0	ND>1.0	ND>200
MW13	06/21/00	a	72.84	12.63	60.21	0.00	99	—	ND>1.0	ND<0.30	ND<0.30	ND<0.60	ND	ND>20	ND>2.0	ND<1.0
MW13	09/12/00	a	75.11	15.20	59.91	0.00	—	—	—	—	—	—	—	—	—	—
MW13	12/13/00	a	75.11	—	—	—	—	—	—	—	—	—	—	—	—	—
MW13	02/21/01	a	75.11	15.10	60.01	0.00	—	—	—	—	—	—	—	—	—	—
MW13	05/21/01	a	75.11	13.85	61.26	0.00	160	—	5.8	1.7	2.4	ND<1.0	21	ND<50	ND<2.0	ND<1.0
MW13	08/01/01	a	75.11	14.22	60.89	0.00	—	—	—	—	—	—	—	—	—	—
MW13	10/31/01	a	75.11	15.77	59.34	0.00	120	—	17	4.4	6.7	3.1	—	ND<1	ND<50	ND<2.0
MW13	02/25/02	a	75.08	16.11	58.97	0.00	180	—	10	4.2	4.3	5.5	—	ND<1.0	ND<50	ND<2.0
MW13	05/29/02	a	75.08	16.09	58.99	0.00	ND>50	—	ND<1.0	ND<1.0	ND<1.0	ND<1.0	—	ND>2.0	ND<10	ND<1.0
MW13	08/26/02	a	75.08	15.40	59.68	0.00	ND<50.0	—	ND<1.0	ND<1.0	ND<1.0	ND<1.0	—	ND>2.0	ND<10.0	ND<1.0
MW13	11/25/02	a	75.08	14.05	61.03	0.00	ND<50.0	—	ND<1.0	ND<1.0	ND<1.0	ND<1.0	—	ND<2.0	ND<10.0	ND<1.0

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HEI,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g ($\mu\text{g/l}$)	TPH-H ($\mu\text{g/l}$)	Benzene ($\mu\text{g/l}$)	Toluene ($\mu\text{g/l}$)	Ethyl-benzene ($\mu\text{g/l}$)	Total Xylenes ($\mu\text{g/l}$)	MTBE ($\mu\text{g/l}$)	MTBE ($\mu\text{g/l}$)	ETBE ($\mu\text{g/l}$)	Ethane ($\mu\text{g/l}$)	Ethanol ($\mu\text{g/l}$)	Methanol ($\mu\text{g/l}$)		
MWV13	02/19/03 a	75.08	13.59	61.49	0.00	ND<50.0	--	ND<1.00	ND<1.00	--	ND<2.00	ND<10.0	ND<1.00	ND<1.00	ND<200	ND<10,000		
MWV13	05/07/03 a	75.08	12.33	62.75	0.00	ND<50.0	--	ND<1.00	ND<1.00	2.9	--	ND<2.00	ND<10.0	ND<1.00	--	--	--	
MWV13	08/05/03 a	75.08	13.70	61.38	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<10.0	ND<1.00	ND<1.00	--	--	
MWV13	11/04/03 a	75.08	14.20	60.88	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<10.0	ND<1.00	ND<1.00	--	--	
MWV13	02/04/04 a	75.08	14.16	60.92	0.00	ND<100	--	ND<0.50	ND<1.0	ND<1.0	--	1.8	ND<10	ND<2.0	ND<1.00	--	ND<100	
MWV13	05/07/04 a	75.08	14.40	60.68	0.00	98.4	--	ND<1.00	ND<1.00	ND<1.00	--	4.3	ND<10	ND<1.00	ND<1.00	--	--	
MWV13	08/02/04 a	75.08	16.20	58.88	0.00	196	--	3.9	ND<1.00	ND<1.00	--	5.6	ND<10	ND<1.00	ND<1.00	--	--	
MWV13	11/08/04 a	75.08	14.59	60.49	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<10.0	ND<1.00	ND<1.00	--	--	
MWV13	02/09/05 a	75.08	12.99	62.09	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<10.0	ND<1.00	ND<1.00	--	--	
MWV13	05/18/05	75.08	11.57	63.51	0.00	<50.0	--	<1.00	<1.00	<1.00	--	<2.00	<10.0	<1.00	<1.00	--	--	
MWV13	08/23/05	75.08	12.20	62.88	0.00	210	--	<1.00	<1.00	<1.00	--	<2.00	<10.0	<1.00	<1.00	--	--	
MWV13	11/16/05	75.08	12.90	62.18	0.00	<50.0	--	<1.00	<1.00	<1.00	--	<2.00	<10.0	<1.00	<1.00	--	--	
MWV13	02/28/06	75.08	12.70	62.38	0.00	<50.0	--	<1.00	<1.00	<1.00	--	<2.00	<10.0	<1.00	<1.00	--	--	
MWV14 SCREEN INTERVAL (feet bgs): 15 to 40																		
MWV14	12/15/93 a	--	21.93	--	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	03/29/94 a	75.23	18.50	56.73	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	06/13/94 a	75.23	19.21	56.02	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	09/01/94 a	75.23	20.21	55.02	0.00	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.83		
MWV14	12/02/94 a	75.23	20.65	54.58	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	02/21/95 a	75.23	21.65	53.58	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	03/15/95 a	75.23	20.58	54.65	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	05/15/95 a	75.23	19.53	55.70	0.00	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	09/28/95 a	75.23	18.89	56.34	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	10/18/95 a	75.23	19.95	55.28	0.00	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	04/16/96 a	75.23	--	--	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	07/11/96 a	75.23	20.00	55.23	0.00	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	01/08/97 a	75.23	18.42	56.81	0.00	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	04/30/97 a	75.23	17.53	57.70	0.00	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	07/24/97 a	75.23	--	--	0.00	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	10/24/97 a	75.23	18.36	56.87	0.00	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	01/21/98 a	75.23	--	--	0.00	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND		
MWV14	04/20/98 a	75.23	14.70	60.53	0.00	ND	ND	--	5.5	4.7	1.2	6.9	ND	ND	ND	ND		
MWV14	09/28/98 a	75.23	15.83	59.40	0.00	--	--	--	--	--	--	--	5.5	ND	ND	ND		
MWV14	12/16/98 a	75.23	16.07	59.16	0.00	ND	ND	--	0.6	0.96	0.82	2.5	ND	ND	ND	ND		
MWV14	03/11/99 a	75.23	--	--	0.00	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND	ND<5.0	ND<10	ND<1.0	ND<200	--	
MWV14	06/21/99 a	75.23	--	--	0.00	ND	ND	--	ND<1.0	ND<1.0	ND<1.0	--	ND<5.0	ND<10	ND<1.0	ND<1.0	--	--
MWV14	07/17/99 a	75.23	--	--	0.00	ND	ND	--	ND<1.0	ND<1.0	ND<1.0	--	ND<5.0	ND<10	ND<1.0	ND<1.0	--	--
MWV14	12/22/99 a	75.23	18.15	57.08	0.00	ND	ND	--	0.6	0.96	0.82	2.5	ND	ND	ND	ND	ND<200	--
MWV14	06/21/00 a	75.23	18.77	56.46	0.00	ND	ND	--	ND<1.0	ND<1.0	ND<1.0	--	ND<5.0	ND<10	ND<1.0	ND<1.0	--	--
MWV14	09/12/00 a	71.75	19.60	52.15	0.00	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--
MWV14	12/13/00 a	71.75	20.45	51.30	0.00	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--
MWV14	02/21/01 a	71.75	19.90	51.85	0.00	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND<2.0	--
MWV14	05/21/01 a	71.75	18.83	52.92	0.00	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND<1.0	--

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HEI,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC (feet)	Depth to Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	MTBE (µg/l)	TBA (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	Ethanol (µg/l)	Methanol (µg/l)
MW14	08/01/01 a	71.75	19.78	51.97	0.00	ND<100	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<50	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	ND<100	
MW14	10/31/01 a	71.75	21.61	50.14	0.00	ND<100	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	ND<100	
MW14	02/25/02 a	77.49	21.23	56.26	0.00	ND<50	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	ND<100	
MW14	05/29/02 a	77.49	21.60	55.89	0.00	ND<50	ND<50	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<100	ND<100	ND<100	
MW14	08/26/02 a	77.49	22.42	55.07	0.00	ND<50	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<100	ND<100	ND<100	
MW14	11/25/02 a	77.49	22.75	54.74	0.00	ND<50	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	ND<100	
MW14	02/19/03 a	77.49	22.66	54.83	0.00	ND<50	ND<50	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<200	ND<200	ND<10,000	
MW14	05/07/03 a	77.49	20.97	56.52	0.00	67.2	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<100	ND<100	ND<100	
MW14	08/05/03 a	77.49	20.96	56.53	0.00	ND<50	ND<50	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<100	ND<100	ND<100	
MW14	11/04/03 a	77.49	21.46	56.03	0.00	ND<50	ND<50	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	ND<100	
MW14	02/04/04 a	77.49	21.19	56.30	0.00	ND<100	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	ND<100	ND<100	
MW14	05/07/04 a	77.49	20.58	56.91	0.00	ND<50	ND<50	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<100	ND<100	ND<100	
MW14	08/02/04 a	77.49	21.38	56.11	0.00	ND<50	ND<50	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<100	ND<100	ND<100	
MW14	11/08/04 a	77.49	19.76	57.73	0.00	ND<50	ND<50	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<100	ND<100	ND<100	
MW14	02/09/05 a	77.49	19.34	58.15	0.00	ND<50	ND<50	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<100	ND<100	
MW14	08/15/05 a	77.49	16.74	60.75	0.00	<50.0	<50.0	<1.00	<1.00	<1.00	<1.00	<10	<2.00	<2.00	<2.00	<2.00	<100	<100	<100	
MW14	08/23/05 a	77.49	16.97	60.52	0.00	<50.0	<50.0	<1.00	<1.00	<1.00	<1.00	<10	<2.00	<2.00	<2.00	<2.00	<100	<100	<100	
MW14	11/16/05 a	77.49	17.38	60.11	0.00	<50.0	<50.0	<1.00	<1.00	<1.00	<1.00	<10	<2.00	<2.00	<2.00	<2.00	<100	<100	<100	
MW14	02/28/06 a	77.49	17.85	59.64	0.00	<50.0	<50.0	<1.00	<1.00	<1.00	<1.00	<10	<2.00	<2.00	<2.00	<2.00	<100	<100	<100	
SCREEN INTERVAL (feet bgs): 15 to 35																				
MW15	09/14/93 a	74.06	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	02/21/95 a	—	20.45	—	—	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	03/15/95 a	74.06	20.17	53.89	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	05/15/95 a	74.06	18.02	56.04	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	09/28/95 a	74.06	18.69	55.37	0.00	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	10/18/95 a	—	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	10/18/95 a	74.06	18.85	55.21	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	04/16/96 a	74.06	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	07/11/96 a	74.06	18.10	55.96	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	10/08/96 a	74.06	17.72	56.34	0.00	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	01/08/97 a	74.06	16.61	57.45	0.00	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	04/20/98 a	74.06	15.33	58.73	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	09/28/98 a	74.06	15.20	58.86	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	12/16/98 a	74.06	15.82	58.24	0.00	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	10/24/97 a	74.06	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	01/21/98 a	74.06	16.26	57.80	0.00	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	04/20/98 a	74.06	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	09/17/99 a	74.06	15.45	58.61	0.00	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	12/22/99 a	74.06	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW15	03/02/00 a	74.06	17.52	56.54	0.00	ND>50	—	—	—	—	—	ND>30	ND>30	ND>30	ND>30	ND>30	ND>30	ND>30	ND>30	ND>30

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HEI,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	Depth to Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g ($\mu\text{g/l}$)	TPH-g ($\mu\text{g/l}$)	Benzene ($\mu\text{g/l}$)	Toluene ($\mu\text{g/l}$)	Ethyl-benzene ($\mu\text{g/l}$)	Total Xylenes ($\mu\text{g/l}$)	MTBE 8021B ($\mu\text{g/l}$)	MTBE 8260B ($\mu\text{g/l}$)	ETBE 8260B ($\mu\text{g/l}$)	Ethanol 8015B ($\mu\text{g/l}$)	Methanol 8015B ($\mu\text{g/l}$)
MW15	06/21/00	a 74.06	--	18.55	54.33	0.00	ND<50	--	--	ND<1.0	ND<1.0	ND<5.0	ND<20	ND<1.0	ND<1.0
MW15	09/12/00	a 72.88	19.90	52.98	0.00	ND<50	--	--	--	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0
MW15	12/13/00	a 72.88	19.06	53.82	0.00	ND<50	--	3	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<100
MW15	02/21/01	a 72.88	17.40	55.48	0.00	ND<100	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<100
MW15	05/21/01	a 72.88	18.39	54.49	0.00	ND<100	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<100
MW15	08/01/01	a 72.88	28.63	44.25	0.00	ND<100	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<100
MW15	10/31/01	a 78.62	20.42	58.20	0.00	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<100
MW15	02/25/02	a 78.62	21.11	57.51	0.00	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<100
MW15	05/29/02	a 78.62	22.10	56.52	0.00	ND<50	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10	ND<1.0	ND<1.0
MW15	08/26/02	a 78.62	22.65	55.97	0.00	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<100
MW15	11/25/02	a 78.62	22.70	55.92	0.00	ND<50	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<2.00	ND<10,000
MW15	02/19/03	a 78.62	21.21	57.41	0.00	ND<50	--	ND<1.00	2.4	ND<1.00	3.7	--	ND<2.00	ND<10	ND<100
MW15	05/07/03	a 78.62	--	--	--	--	--	--	--	--	--	--	--	--	--
MW15	08/05/03	a 78.62	--	--	--	--	--	--	--	--	--	--	--	--	--
MW15	11/04/03	a 78.62	21.61	57.01	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<10.0	ND<1.00	ND<1.00
MW15	02/04/04	a 78.62	21.64	56.98	0.00	ND<100	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<100
MW15	05/07/04	a 78.62	20.90	57.72	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<2.00	ND<100
MW15	08/02/04	a 78.62	21.28	57.34	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<2.00	ND<100
MW15	11/08/04	a 78.62	19.92	58.70	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<2.00	ND<100
MW15	02/09/05	a 78.62	18.02	60.60	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	ND<2.00	ND<100
MW15	05/18/05	78.62	15.20	63.42	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00
MW15	08/23/05	78.62	15.57	63.05	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00
MW15	11/16/05	78.62	16.28	62.34	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00
MW15	02/28/06	78.62	17.19	61.43	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00
MW16 SCREEN INTERVAL (feet bgs): 15 to 35															
MW16	02/21/95	a --	21.85	--	0.00	550	ND	76	55	21	78	--	--	--	--
MW16	03/15/95	a 74.86	21.79	53.07	0.00	140	ND	43	2.8	ND	9.5	--	--	--	--
MW16	05/15/95	a 74.86	21.20	53.66	0.00	210	ND	25	22	5.9	23	--	--	--	--
MW16	09/28/95	a 74.86	19.35	55.51	0.00	61	ND	15	2.1	1.5	--	--	--	--	--
MW16	10/18/95	a --	--	--	--	160	--	73	17	18	16	--	--	--	--
MW16	10/18/95	a 74.86	19.74	55.12	0.00	ND	ND	6.5	1.6	ND	2.8	--	--	--	--
MW16	04/16/96	a --	--	--	--	100	ND	57	ND	1.8	ND	--	--	--	--
MW16	04/16/96	a 74.86	--	--	--	ND	ND	10	0.73	ND	1.6	ND	--	--	--
MW16	07/11/96	a 74.86	19.65	55.21	0.00	160	--	48	0.48	8.5	ND	ND	--	--	--
MW16	10/24/97	a 74.86	18.78	56.08	0.00	220	--	54	ND	ND	ND	--	--	--	--
MW16	01/21/98	a 74.86	18.00	56.86	0.00	ND	--	48	ND	2.5	ND	--	--	--	--
MW16	04/20/98	a 74.86	14.64	60.22	0.00	2500	--	350	200	88	310	61	--	--	--
MW16	09/28/98	a 74.86	15.08	59.78	0.00	ND	--	ND	ND	ND	ND	273	--	--	--
MW16	12/16/98	a 74.86	15.95	58.91	0.00	ND	--	5	ND	ND	ND	7	--	--	--

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	Depth to Elevation (feet)	Ground-water Water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	TAME 8260B (µg/l)	Ethanol 8015B (µg/l)	Ethanol 8260B (µg/l)	Methanol 8015B (µg/l)	
MW16	03/11/99 a	74.86	17.01	57.85	0.00	ND	6.8	1.1	ND	22	--	--	--	--	--	--	
MW16	06/21/99 a	74.86	17.74	57.12	0.00	ND	1.8	ND	ND	30	--	--	--	--	--	--	
MW16	09/17/99 a	74.86	18.18	56.68	0.00	90	7.6	0.4	1.9	3.9	45	--	--	--	--	--	
MW16	12/22/99 a	74.86	17.61	57.25	0.00	130	21	ND	6.3	17	21	--	--	--	--	--	
MW16	03/02/00 a	74.86	17.99	56.87	0.00	95	5.1	1.9	4.2	13	23	--	ND>20	ND<1.0	ND<1.0	ND>200	
MW16	06/21/00 a	74.86	17.42	57.44	0.00	ND>50	3.7	ND<1.0	1.2	3.1	22	19	ND>20	ND<1.0	ND<1.0	ND>200	
MW16	09/12/00 a	75.68	19.05	56.63	0.00	ND>50	5	ND>1.0	ND>1.0	ND<1.0	--	25	ND>20	ND<1.0	ND<1.0	ND>200	
MW16	12/13/00 a	75.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW16	02/21/01 a	75.68	18.83	56.85	0.00	ND>50	3	ND<1	ND<1	ND	--	12	ND>20	ND<1	ND<1	ND>100	
MW16	05/21/01 a	75.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW16	08/01/01 a	75.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW16	10/31/01 a	75.68	19.66	56.02	0.00	ND>100	--	ND<1.0	ND<1.0	ND<1.0	--	27	ND>50	ND>2.0	ND>2.0	ND>100	
MW16	02/25/02 a	75.68	26.11	49.57	0.00	ND>100	0.67	ND<1.0	ND<1.0	ND<1.0	--	21	ND>50	ND>2.0	ND>2.0	ND>100	
MW16	05/29/02 a	75.68	26.59	49.09	0.00	ND>50	--	ND<1.0	ND<1.0	ND<1.0	--	10.8	ND<10	ND<1.0	ND<1.0	--	
MW16	08/26/02 a	75.68	27.34	48.34	0.00	ND>50.0	--	ND<1.00	1.74	ND<1.00	2.19	--	6.79	ND<10.0	ND<1.00	ND<1.00	--
MW16	11/25/02 a	75.68	24.30	51.38	0.00	ND>50.0	--	ND<1.00	ND<1.00	ND<1.00	--	8.4	ND<10.0	ND<1.00	ND<1.00	--	
MW16	02/19/03 a	75.68	24.38	51.30	0.00	ND>50.0	--	ND<1.00	ND<1.00	ND<1.00	--	6.2	ND<10.0	ND<1.00	ND<1.00	ND<10,000	
MW16	05/07/03 a	75.68	24.69	50.99	0.00	ND>50.0	--	ND<1.00	ND<1.00	ND<1.00	--	5.8	ND<10.0	ND<1.00	ND<1.00	--	
MW16	08/05/03 a	75.68	24.46	51.22	0.00	ND>50.0	--	ND<1.00	ND<1.00	ND<1.00	--	30.3	14.5	ND<10.0	ND<1.00	ND<1.00	--
MW16	11/04/03 a	75.68	24.82	50.86	0.00	133	--	ND<1.00	ND<1.00	ND<1.00	--	132	52.8	ND<10.0	ND<1.00	ND<1.00	--
MW16	02/04/04 a	75.68	23.55	52.13	0.00	ND>100	--	ND<1.00	ND<1.00	ND<1.00	--	320	38	ND>2.0	ND>2.0	ND>2.0	--
MW16	05/07/04 a	75.68	23.29	52.39	0.00	143	--	ND<1.00	ND<1.00	ND<1.00	--	227	19.4	ND<1.00	ND<1.00	ND<1.00	--
MW16	08/02/04 a	75.68	22.70	52.98	0.00	139	--	ND<1.00	ND<1.00	ND<1.00	--	119	ND<10.0	ND<1.00	ND<1.00	--	
MW16	11/08/04 a	75.68	22.41	53.27	0.00	114	--	ND<1.00	ND<1.00	ND<1.00	--	100	ND<10.0	ND<1.00	ND<1.00	--	
MW16	02/09/05 a	75.68	23.56	52.12	0.00	79	--	ND<1.00	ND<1.00	ND<1.00	--	134	ND<10.0	ND<1.00	ND<1.00	ND<100	
MW16	05/18/05 a	75.68	21.73	53.95	0.00	92.6	--	<1.00	<1.00	<1.00	--	76.1	<10.0	<1.00	<1.00	--	
MW16	08/23/05 a	75.68	18.26	57.42	0.00	<50.0	--	<1.00	<1.00	<1.00	--	73.8	<10.0	<1.00	<1.00	--	
MW16	11/16/05 a	75.68	19.08	56.60	0.00	<50.0	--	<1.00	<1.00	<1.00	--	70.4	<10.0	<1.00	<1.00	--	
MW16	02/28/06	75.68	19.51	56.17	0.00	<50.0	--	<1.00	<1.00	<1.00	--	43.2	<10.0	<1.00	<1.00	--	
SCREEN INTERVAL (feet bgs): 14 to 34																	
MW17	09/17/90 a	73.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW17	01/04/91 a	73.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW17	06/17/93 a	73.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW17	02/21/95 a	--	21.44	--	--	0.00	30,000	12	4,900	7,100	2,500	5,900	--	--	--	--	
MW17	03/15/95 a	73.90	21.40	52.50	--	0.00	27,000	5.6	3,900	6,200	1,800	3,500	--	--	--	--	
MW17	05/15/95 a	73.90	20.07	53.83	--	0.00	34,000	1.2	5,200	7,100	2,000	3,100	--	--	--	--	
MW17	09/28/95 a	73.90	20.35	53.55	0.00	25,000	8.6	3,300	1,600	1,300	1,500	--	--	--	--	--	
MW17	10/18/95 a	--	--	--	--	38,000	--	7,500	17,000	1,700	9,200	--	--	--	--	--	
MW17	10/18/95 a	73.90	20.60	53.30	0.00	13,000	12	4,300	2,700	1,600	1,900	--	--	--	--	--	
MW17	04/16/96 a	--	--	--	--	60,000	ND	11,000	14,000	2,500	7,000	--	--	--	--	--	
MW17	04/16/96 a	73.90	--	--	--	15,000	6,100	4,300	1,200	1,700	990	1,900	--	--	--	--	
MW17	07/11/96 a	73.90	19.38	54.52	0.00	54,000	--	7,300	8,200	1,800	5,200	ND	--	--	--	--	
MW17	10/08/96 a	73.90	19.40	54.50	0.00	38,000	--	3,900	2,500	2,400	2,600	240	--	--	--	--	

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	Depth to Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	MTBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	Ethanol (µg/l)	Methanol (µg/l)	
MW17	01/08/97 a	73.90	18.68	55.22	0.00	13,000	—	4,700	170	2,000	290	5,700	—	—	—	—	
MW17	04/30/97 a	73.90	18.25	55.65	0.00	20,000	—	5,800	670	1,800	460	9,800	—	—	—	—	
MW17	07/24/97 a	73.90	18.42	55.48	0.00	24,000	—	ND	730	1,900	330	7,500	—	—	—	—	
MW17	10/24/97 a	73.90	19.31	54.59	0.00	11,000	—	4,700	210	1,700	190	5,400	—	—	—	—	
MW17	01/21/98 a	73.90	18.54	55.36	0.00	11,000	—	2,500	200	970	160	3,600	—	—	—	—	
MW17	04/20/98 a	73.90	15.43	58.47	0.00	14,000	—	2,100	110	700	170	10,000	—	—	—	—	
MW17	06/01/98 a	—	—	—	—	22,000	—	2,300	140	1,000	190	14,000	—	—	—	—	
MW17	06/01/98 a	73.90	15.41	58.49	0.00	13,000	—	1,400	520	380	590	8,600	—	—	—	—	
MW17	09/28/98 a	73.90	17.06	56.84	0.00	2,020	—	415	7	67.6	10.2	3,880	—	—	—	—	
MW17	12/16/98 a	73.90	17.56	56.34	0.00	2,300	—	1,710	17.3	101	35.6	13,300	—	—	—	—	
MW17	03/11/99 a	73.90	17.85	56.05	0.00	9,300	—	1,900	46	280	100	7,500	—	—	—	—	
MW17	06/21/99 a	73.90	17.28	56.62	0.00	6,500	—	1,000	68	88	91	7,400	—	—	—	—	
MW17	09/17/99 a	73.90	18.14	55.76	0.00	7,300	—	1,300	10	69	22	6,200	—	—	—	—	
MW17	12/22/99 a	73.90	18.76	55.14	0.00	2,900	—	330	32	40	42	2,600	—	—	—	—	
MW17	03/02/00 a	73.90	18.85	55.05	0.00	1,800	—	120	0.83	3.7	2.4	1,300	—	—	—	—	
MW17	06/21/00 a	73.90	18.47	55.43	0.00	1,500	—	120	2.2	8.6	3.4	680	890	16,000	ND<1.0	ND<200	
MW17	09/12/00 a	71.03	19.20	51.83	0.00	1,100	—	52	ND<1.0	ND<1.0	—	410	15,000	ND<1.0	3	ND<1.0	
MW17	12/13/00 a	71.03	21.37	49.66	0.00	1,200	—	10	ND<1.0	ND<1.0	—	210	21,000	ND<1.0	6	ND<1.0	
MW17	02/21/01 a	71.03	21.40	49.63	0.00	5,300	—	580	ND<5	41	ND<5	—	3,100	15,000	ND<5	5	ND<5
MW17	05/21/01 a	71.03	20.32	50.71	0.00	1,000	—	240	ND<10	ND<10	ND<10	—	500	19,000	ND<20	ND<20	ND<20
MW17	08/01/01 a	71.03	18.90	52.13	0.00	970	—	ND<25	ND<50	ND<50	ND<50	—	270	18,000	ND<100	ND<100	ND<100
MW17	10/31/01 a	71.03	20.21	50.82	0.00	890	—	29	ND<50	ND<50	ND<50	—	450	21,000	ND<100	ND<100	ND<100
MW17	02/25/02 a	76.74	24.32	52.42	0.00	310	—	23	ND<25	ND<25	ND<25	—	38	19,000	ND<50	ND<50	ND<50
MW17	05/29/02 a	76.74	20.97	55.77	0.00	5,100	—	981	ND<10	26.1	ND<10	—	3,650	19,600	ND<10	ND<10	ND<10
MW17	08/26/02 a	76.74	20.95	55.79	0.00	5,100	—	880	14.4	132	21.3	—	2,940	17,600	ND<1.00	4.6	ND<1.00
MW17	11/25/02 a	76.74	21.74	55.00	0.00	4,370	—	1,090	21.4	73	49.7	—	1,820	11,100	ND<1.0	ND<1.0	ND<1.0
MW17	02/19/03 a	76.74	21.74	55.00	0.00	245	—	28.6	ND<1.00	1.6	ND<1.00	—	168	389	ND<1.00	ND<1.00	ND<1,000
MW17	05/07/03 a	76.74	21.94	54.80	0.00	3,560	—	717	234	200	304	—	386	2,320	ND<1.00	ND<1.00	ND<1.00
MW17	08/05/03 a	76.74	20.66	56.08	0.00	2,030	—	555	3	54.7	ND<1.00	—	198	3,480	ND<1.00	ND<1.00	ND<1.00
MW17	11/04/03 a	76.74	21.89	54.85	0.00	656	—	109	1.6	ND<1.00	ND<1.00	—	171	3,240	ND<1.00	1.4	ND<1.00
MW17	02/04/04 a	76.74	22.22	54.52	0.00	930	—	200	ND<5.0	ND<5.0	ND<5.0	—	140	4,200	ND<10	ND<10	ND<500
MW17	05/07/04 a	76.74	21.89	54.85	0.00	1,160	—	352	ND<1.00	1.4	ND<1.00	—	129	4,110	ND<1.00	2.5	ND<1.00
MW17	08/02/04 a	76.74	22.55	54.19	0.00	984	—	144	2	4	ND<1.00	—	118	6,920	ND<1.00	5.8	ND<1.00
MW17	11/08/04 a	76.74	21.66	55.08	0.00	194	—	19.6	ND<1.00	ND<1.00	ND<1.00	—	42.8	2,060	ND<1.00	1	ND<1.00
MW17	02/09/05 a	76.74	20.17	56.57	0.00	164	—	7.6	ND<1.00	ND<1.00	ND<1.00	—	36.4	4,440	ND<1.00	1.1	ND<200
MW17	05/18/05	76.74	18.05	58.69	0.00	1,020	—	72.4	1.10	4.00	1.90	—	33.8	2,090	<1.00	<1.00	<1.00
MW17	08/23/05	76.74	18.53	58.21	0.00	410	—	112	1.16	5.98	2.09	—	12.6	723	<1.00	<1.00	<1.00
MW17	11/16/05	76.74	18.73	58.01	0.00	635	—	103	1.75	20.2	2.79	—	12.6	530	<1.00	<1.00	<1.00
MW17	02/28/06	76.74	19.14	57.60	0.00	471	—	75.3	<1.00	11.9	5.00	—	28.0	2,690	<1.00	<1.00	<50.0
MW18	SCREEN INTERVAL (feet bgs): 15 to 35										ND	ND	ND	ND	ND	ND	
MW18	04/16/96 a	—	—	—	—	—	—	—	—	—	ND	ND	ND	ND	ND	ND	
MW18	04/16/96 a	—	—	—	—	—	—	—	—	—	ND	ND	ND	ND	ND	ND	
MW18	01/08/97 a	—	15.42	—	0.00	ND	—	—	—	—	—	—	—	—	—	—	

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	Depth to Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g (µg/l)	TPH-g (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	MTBE (µg/l)	TAME (µg/l)	Ethanol (µg/l)	Ethanol (µg/l)	Methanol (µg/l)
MW18	04/30/97	a	--	16.00	--	0.00	ND	1.6	0.75	5.9	ND	--	--	--	--	--
MW18	07/24/97	a	--	15.81	--	0.00	ND	ND	ND	ND	ND	--	--	--	--	--
MW18	10/24/97	a	--	17.75	--	0.00	ND	ND	ND	ND	ND	--	--	--	--	--
MW18	01/21/98	a	--	16.06	--	0.00	ND	ND	ND	ND	ND	--	--	--	--	--
MW18	04/20/98	a	--	11.05	--	0.00	780	--	90	76	25	120	--	--	--	--
MW18	09/28/98	a	--	12.80	--	0.00	ND	ND	ND	ND	ND	--	--	--	--	--
MW18	12/16/98	a	--	13.38	--	0.00	ND	ND	ND	ND	ND	--	--	--	--	--
MW18	03/11/99	a	--	14.50	--	0.00	ND	ND	ND	ND	ND	--	--	--	--	--
MW18	06/21/99	a	--	--	--	0.00	ND	--	--	--	ND	--	--	--	--	--
MW18	09/17/99	a	--	14.90	--	0.00	--	--	--	--	--	--	--	--	--	--
MW18	12/21/99	a	--	--	--	0.00	--	--	--	--	--	--	--	--	--	--
MW18	03/02/00	a	--	14.49	--	0.00	ND<50	--	ND<0.30	0.48	ND<0.30	1.2	25	--	--	--
MW18	06/21/00	a	--	--	--	0.00	ND<50	--	--	--	ND<1.0	ND<1.0	--	--	--	--
MW18	09/12/00	a	76.33	15.70	60.63	0.00	ND	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	ND	ND	--
MW18	12/13/00	a	76.33	--	--	--	ND	ND<1	ND<1	ND<1	ND<20	ND<1	ND<1	ND	ND	--
MW18	02/21/01	a	76.33	14.07	62.26	0.00	ND	ND<50	ND<1	ND<1	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND<100
MW18	05/21/01	a	76.33	13.30	63.03	0.00	ND	ND<100	ND<1	ND<1	ND<50	ND<50	ND<50	ND	ND	ND<100
MW18	08/01/01	a	76.33	15.21	61.12	0.00	ND	ND<100	ND<5	ND<5	ND<2.0	ND<2.0	ND<2.0	ND	ND	ND<100
MW18	10/31/01	a	76.33	15.99	60.34	0.00	ND	ND<100	ND<5	ND<5	ND<50	ND<50	ND<50	ND	ND	ND<100
MW18	02/25/02	a	76.31	16.82	59.49	0.00	ND	ND<100	ND<50	ND<10	ND<1.0	ND<1.0	ND<1.0	ND	ND	ND<100
MW18	05/29/02	a	76.31	16.97	59.34	0.00	ND	ND<50	ND<10	ND<10	ND<1.0	ND<1.0	ND<1.0	2.01	ND	ND<10
MW18	08/26/02	a	76.31	16.87	59.44	0.00	ND	ND<100	ND<1.00	ND<1.00	ND<2.00	ND<10.0	ND<1.00	--	--	--
MW18	11/25/02	a	76.31	16.57	59.74	0.00	ND	ND<50	ND<1.0	ND<1.0	ND<2.0	ND<10.0	ND<1.0	--	--	--
MW18	02/19/03	a	76.31	14.82	61.49	0.00	ND	ND<50	ND<1.00	ND<1.00	ND<2.0	ND<50	ND<1.00	4.6	ND	ND<10,000
MW18	05/07/03	a	76.31	12.49	63.82	0.00	ND	ND<50	ND<1.00	ND<1.00	ND<2.00	ND<10.0	ND<1.00	--	--	ND<200
MW18	08/05/03	a	76.31	--	--	0.00	ND	ND	ND	ND	ND	ND	ND	--	--	--
MW18	11/04/03	a	76.31	15.09	61.22	0.00	ND	ND<50	ND	ND	ND	ND	ND	2.6	ND	ND<100
MW18	02/04/04	a	76.31	13.24	63.07	0.00	ND	ND<100	ND	ND	ND	ND	ND	7.3	ND	ND<100
MW18	05/07/04	a	76.31	15.09	61.22	0.00	ND	ND<50	ND	ND	ND	ND	ND	6.4	ND	ND<100
MW18	08/02/04	a	76.31	15.84	60.47	0.00	ND	ND<50	ND	ND	ND	ND	ND	5.2	ND	ND<100
MW18	11/08/04	a	76.31	13.32	62.99	0.00	ND	ND<50	ND	ND	ND	ND	ND	2.7	ND	ND<100
MW18	02/09/05	a	76.31	13.19	63.12	0.00	ND	ND<50	ND	ND	ND	ND	ND	ND	ND	ND<100
MW18	05/18/05	a	76.31	11.70	64.61	0.00	<50.0	--	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	<1.00	--
MW18	08/23/05	a	76.31	11.25	65.06	0.00	<50.0	--	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	<1.00	--
MW18	11/16/05	a	76.31	12.81	63.50	0.00	<50.0	--	<1.00	<1.00	<2.00	<10.0	<1.00	<1.00	<1.00	--
MW18	02/28/06	76.31	63.52	0.00	<50.0	--	<1.00	<1.00	<1.00	<1.00	<10.0	<1.00	<1.00	<1.00	<1.00	--
MW19	SCREEN INTERVAL (feet bgs): 10 to 30															--
MW19	09/12/00	a	70.28	20.20	50.08	0.00	ND	ND<50	--	ND	ND<1.0	ND	ND<1.0	ND	ND<20	ND<1.0
MW19	11/22/00	a	70.28	20.86	49.42	0.00	ND	ND<50	--	ND	ND<1.0	ND	ND<1.0	ND	ND<20	ND<1.0
MW19	02/21/01	a	70.28	17.10	53.18	0.00	ND	ND<50	--	ND	ND<1	ND	ND<1	ND	ND<5	ND<1
MW19	05/21/01	a	70.28	--	--	--	--	--	--	--	--	--	--	--	--	--
MW19	08/01/01	a	70.28	--	--	--	--	--	--	--	--	--	--	--	--	--
MW19	10/31/01	a	70.28	21.23	49.05	0.00	ND	ND<100	--	ND	ND<1.0	ND	ND<1.0	ND	ND<2.0	ND<1.0

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	Depth to Water (feet)	Ground-water Elevation (feet)	LPH Thickness (feet)	TPH-g ($\mu\text{g/l}$)	TPH-d ($\mu\text{g/l}$)	Benzene ($\mu\text{g/l}$)	Toluene ($\mu\text{g/l}$)	Ethyl-benzene ($\mu\text{g/l}$)	Total Xylenes ($\mu\text{g/l}$)	MTBE ($\mu\text{g/l}$)	TBA ($\mu\text{g/l}$)	DIPE ($\mu\text{g/l}$)	ETBE ($\mu\text{g/l}$)	TAME ($\mu\text{g/l}$)	Ethanol ($\mu\text{g/l}$)	Methanol ($\mu\text{g/l}$)
MW19	02/25/02 a	76.30	21.96	54.34	0.00	ND<100	--	ND<0.50	ND<1.0	ND<2.0	--	ND<50	ND<2.0	ND<2.0	ND<100	--	ND<100
MW19	05/29/02 a	76.30	22.23	54.07	0.00	ND<50	--	ND<1.0	ND<1.0	ND<2.0	--	ND<10	ND<1.0	ND<1.0	ND<100	--	--
MW19	08/26/02 a	76.30	22.74	53.56	0.00	ND<100	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<1.00	ND<1.00	ND<1.00	--	--
MW19	11/25/02 a	76.30	23.10	53.20	0.00	ND<50.0	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<200 ND<10,000
MW19	02/19/03 a	76.30	22.85	53.45	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<1.00	ND<1.00	ND<1.00	--	--
MW19	05/07/03 a	76.30	21.82	54.48	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<1.00	ND<1.00	ND<1.00	--	--
MW19	08/05/03 a	76.30	22.32	53.98	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<1.00	ND<1.00	ND<1.00	--	--
MW19	11/04/03 a	76.30	23.14	53.16	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<1.00	ND<1.00	ND<1.00	--	--
MW19	02/04/04 a	76.30	23.60	52.70	0.00	ND<100	--	ND<0.50	ND<1.0	ND<1.0	--	ND<10	ND<1.0	ND<2.0	ND<100	--	--
MW19	05/07/04 a	76.30	22.96	53.34	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<1.00	ND<1.00	ND<1.00	--	--
MW19	08/02/04 a	76.30	23.49	52.81	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<1.00	ND<1.00	ND<1.00	--	--
MW19	11/08/04 a	76.30	22.78	53.52	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<2.00	ND<1.00	ND<1.00	ND<1.00	--	--
MW19	02/09/05 a	76.30	20.11	56.19	0.00	ND<50.0	--	ND<1.00	ND<1.00	ND<1.00	--	ND<1.0	ND<1.0	ND<2.0	ND<100	--	--
MW19	05/18/05	76.30	18.66	57.64	0.00	<50.0	--	<1.00	<1.00	<1.00	--	<10.0	<1.00	<1.00	<1.00	--	--
MW19	08/23/05	76.30	19.57	56.73	0.00	<50.0	--	<1.00	<1.00	<1.00	--	<2.00	<1.00	<1.00	<1.00	--	--
MW19	11/16/05	76.30	20.20	56.10	0.00	<50.0	--	<1.00	<1.00	<1.00	--	<2.00	<1.00	<1.00	<1.00	--	--
MW19	02/28/06	76.30	20.17	56.13	0.00	<50.0	--	<1.00	<1.00	<1.00	--	<2.00	<1.00	<1.00	<1.00	--	--
VW11	SCREEN INTERVAL (feet bgs): 7 to 22																
VW11	01/08/97 a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VW11	04/30/97 a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VW11	09/17/99 a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VW12	SCREEN INTERVAL (feet bgs): 7 to 22																
VW12	01/08/97 a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VW12	04/30/97 a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VW12	09/17/99 a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Regulatory Criteria Reference																	
TOC	1	150	700	1,750	13	13	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	

TOC Top of casing.

LPH Liquid-phase hydrocarbons.

TPH-g Total Petroleum Hydrocarbons as gasoline.

TPH-d Total Petroleum Hydrocarbons as diesel.

MTBE Methyl tertiary butyl ether.

TBA Tertiary butyl alcohol.

DIPE Diisopropyl ether.

ETBE Ethyl tertiary butyl ether.

TAME Tertiary amyl methyl ether.

TABLE 3 HISTORICAL GROUNDWATER MONITORING DATA,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well ID	Date Measured	TOC μg/L	Depth to water Elevation feet)	Ground- water Thickness (feet)	LPH Water Elevation (feet)	TPH-g (μg/l)	TPH-H (μg/l)	Benzene (μg/l)	Toluene (μg/l)	Ethyl- benzene (μg/l)	Total Xylenes (μg/l)	MTBE 8021B (μg/l)	MTBE 8260B (μg/l)	TBA 8260B (μg/l)	DIPE 8260B (μg/l)	ETBE 8260B (μg/l)	TAME 8260B (μg/l)	Ethanol 8015B (μg/l)	Ethanol 8260B (μg/l)	Methanol 8015B (μg/l)
bgs	Below ground surface.																			

Micrograms per liter.

Not detected above the laboratory reporting limits.

-- Not sampled or not analyzed.

a Data prior to 1 April 2005 provided by TRC Consumer-Focused Solutions.

* Adjusted elevation for product thickness.

Note: Survey conducted by Cal Vada Surveying, Inc. on 4 December 2001. TOC elevation data OCS GPS Point 1531 and NAVD88 vertical datum elevation.

References:

- (1) Jon B. Marshack, August 2000, A Compilation of Water Quality Goals, California Environmental Protection Agency - Regional Water Quality Control Board.

TABLE 4 NATURAL ATTENUATION PARAMETER ANALYTICAL RESULTS,
EXXONMOBIL OIL CORPORATION SERVICE STATION 18-HE1,
1465 SOUTH MAIN STREET, SANTA ANA, CALIFORNIA

Well Number	Date	Laboratory Parameters					Field Parameters					
		Ferrous iron ($\mu\text{g/L}$)	Nitrate-N (mg/L)	Sulfate (mg/L)	Methane ($\mu\text{g/L}$)	Alkalinity as CaCO_3 (mg/L)	DO (mg/L)	ORP (mV)	pH	EC ($\mu\text{S/cm}$)	Temperature (Celsius)	Total Dissolved Solids (mg/L)
MW1	02/28/06 a	0.272	0.824	765	<26	337	0.37	80	7.29	1,886	23.8	1,361
MW2	02/28/06 a	<0.1	2.97	1,270	<26	284	0.40	144	7.08	1,978	22.4	1,435
MW6	02/28/06 a	<0.1	2.39	808	<26	285	0.32	163	7.17	1,735	22.6	1,740

DO Dissolved oxygen.

ORP Oxidation/reduction potential.

EC Conductivity

$\mu\text{S}/\text{cm}$ MicroSiemens per centimeter

$\mu\text{g/L}$ Micrograms per liter.

mg/L Milligrams per liter.

mV Millivolts.

a Well purged prior to sampling.

b Over range of DO meter.

- Not sampled or not analyzed.

Note: Approximately three casing volumes purged from each well using a Waterra system prior to sampling.

Attachment C

Field Protocols

PROTOCOLS FOR QUARTERLY GROUNDWATER MONITORING

GROUNDWATER GAUGING

Wells are opened prior to gauging to allow the groundwater level in the wells to equilibrate with atmospheric pressure. The depth to groundwater and depth to liquid-phase hydrocarbons, if present, are then measured to the nearest 0.01 feet using an electronic water level meter or optical interface probe. The measurements are made from a permanent reference point at the top of the well casing. If less than 1 foot of water is measured in a well, the well is considered "functionally dry." Wells with a sheen or measurable liquid-phase hydrocarbons are generally not sampled.

NO PURGE SAMPLING

Well purging is not conducted prior to sampling if purging is not needed to meet technical and/or regulatory project requirements. Following collection of water level measurements, wells that are not purged prior to sampling are sampled according to the protocol in the last section of this document.

WELL PURGING

A well is generally purged prior to obtaining natural attenuation parameters or if the well screen is submerged to obtain representative and consistent data. Field parameters of pH, electrical conductance, turbidity, salinity, oxygen reduction potential (ORP), and dissolved oxygen are measured using a flow-through-cell and Horriba U-22 unit or similar device during purging to ensure that these parameters have stabilized before groundwater in a well is sampled. Field parameters are measured after the removal of each well casing volume of water. Groundwater parameters are considered stable when two consecutive readings indicate no greater than a 10 percent change from the previous reading for temperature and electrical conductance and no greater than a 0.1 pH units change from the previous reading for pH. Groundwater in each well is purged using an inertial pump, an electric submersible pump, or a bailer. After the well is purged, the water level is checked to ensure that the well has recharged to at least 80 percent of its original water level.

GROUNDWATER SAMPLING

Groundwater in each well is sampled using a factory-cleaned disposable bailer. The bailer is slowly lowered into the well to the water column until the bailer is submerged. Samples from extraction wells are typically collected from sample ports associated with the groundwater remediation system. Samples collected for volatile organic and methane analyses are placed in Teflon septum-sealed 40-milliliter (mL) glass vials with hydrochloric acid (HCL) preservative. Samples collected for diesel analysis are placed in 1-liter amber glass bottles with HCL preservative. Samples for sulfate and nitrate analysis are collected in a 500-mL plastic bottle with no preservative. Samples for alkalinity analysis are collected in a 500-mL plastic bottle with no preservative. Samples for ferrous iron are filtered in the field with a 0.45-micron disposable filter and collected in a 500-mL plastic bottle with HCL preservative. Each sample bottle is labeled with the site name, well number, date, sampler's initials, and preservative. The samples are placed in a cooler with ice for delivery to a state-certified laboratory. The information for each sample is entered on a chain-of-custody form prior to transport to the laboratory.

Attachment D

Field Documents

WELL DEVELOPMENT FORM

Project Name: 18-Hei

Well No: MW 1

Date: 2-28-6

Project No:

Personnel: M. Blackwelder

GAUGING DATA

Water Level Measuring Method: Sodisgt

Measuring Point Description:

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)
	31.97	18.05	13.92	X 1 2 4 6 0.04 0.16 0.64 1.44	8.9	27.0

PURGING DATA

Purge Method: Grundfos

Purge Depth: 20'

Purge Rate: (gpm)

Time	1500	1508	1516	1524	
Volume Purge (gal)	6.75	13.50	20.0	27.0	
Temperature (C)	23.7	23.7	24.1	23.8	
pH	7.45	7.40	7.38	7.29	
Color	clear	1639	1682	1886	
Transparency	1145	1173	1204	1361	
Odor (Y/N)	N	N	N	N	
Casing Volumes	3/4	1 1/2	2 1/4	3	
Dewatered (Y/N)	N	N	N	N	

Comments/Observations:

orp	96	94	88	80	
D.O.	.42	.41	.40	.37	

Total Purge Volume: 27.0 (gallons)

Disposal: # 001

Weather Conditions: cool

Condition of Well Box and Casing: OK

Well Head Conditions Requiring Correction: NO

Problems Encountered During Purgung: none

Comments: purged well @ 20' due to stringer in well

WELL DEVELOPMENT FORM

Project Name: 18-He 1

Well No: MW 2

Date: 2-28-06

Project No:

Personnel: Mr. Blackwell

GAUGING DATA

Water Level Measuring Method: Sol/MST

Measuring Point Description:

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)
	30.87	16.00	14.87	1 2 4 6 0.04 0.16 0.64 1.44	9.5	20.0

PURGING DATA

Purge Method: groundhos

Purge Depth: 25'

Purge Rate: (gpm)

Time	1600	1608	1616	1624		
Volume Purge (gal)	6.75	14.0	20.0			
Temperature (C)	22.8	22.7	22.4			
pH	7.15	7.09	7.08			
Color (NTU)	1860	1916	1978			
Turbidity (NTU)	1339	1383	1435			
Odor (Y/N)	N	N	N			
Casing Volumes	3/4	1 1/2	2 1/4			
Dewatered (Y/N)	Y	Y	Y			

Comments/Observations:

OTP	137	140	144	
DO	.39	.39	.40	

Total Purge Volume: 20.0 (gallons)

Disposal: 001

Weather Conditions: cool

Condition of Well Box and Casing: OK

Well Head Conditions Requiring Correction: no

Problems Encountered During Purging: none

Comments:

WELL DEVELOPMENT FORM

Well No: MW6

Date: 2-28-6

Project Name: 18-H-1

Project No:

Personnel: M. Blackwell

GAUGING DATA

Water Level Measuring Method: Solinst

Measuring Point Description:

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)		
	40.57	11.78	28.79	1 0.04	2 0.16	4 0.64	6 1.44	18.4

PURGING DATA

Purge Method:

Purge Depth: 35'

Purge Rate: (gpm)

Time	1700	1710	1724	1740		
Volume Purge (gal)	13.75	27.0	40.0	45.0		
Temperature (C)	21.0	22.5	23.0	22.6		
pH	7.32	7.05	7.13	7.17		
Color	1630	1671	1733	1735		
Turbidity	1162	1199	1241	1240		
Odor (Y/N)	N	N	N	N		
Casing Volumes	3/4	1 1/2	2 1/4	2 1/2		
Dewatered (Y/N)	N	N	N/Y	Y		

Comments/Observations:

Orp	157	158	161	163	
d.o.	.50	.42	.40	.32	

Total Purge Volume: 55.45 (gallons)

Disposal: 002

Weather Conditions: Cool

Condition of Well Box and Casing: OK

Well Head Conditions Requiring Correction: h/o

Problems Encountered During Purging: none

Comments: reduce purge rate between #2-3 readings
due to well going dry

Client:	ExxonMobil	Station No.:	18-He1
Project No.:	4P18-He1	Task No.:	1
Technicians:	M. Blackwell	Budgeted time:	
Date:	2-28-06	Time Billed:	
Vehicle No.:	#11	Vehicle Mileage:	
Equipment Used:	grundfos, gen., salinst, d.o. & ultra meter		
No. of Drums on Site:	2	Water	<input checked="" type="checkbox"/> Soil <input type="checkbox"/> Empty

• Task:

- 1) gauge & Sample all wells 10mots
- 2) gauge T.D. e all wells

• Summary:

- 0515 - Mob to office for sampling supplies & to load truck
 0600 - Label vials
 0715 - Mob to Site
 0740 - Arrive on site, check in, review HAZOP, get decon H2O
 0845 - Call Barricade on site
 1100 - MW16 well was under pressure when removing well cap.
 1200 - Rig on site of LPO
 1230 - Call Barricade off site
 1300 - LPO completed
 1800 - mob to office to drop off sample, grundfos, etc.
 * removed and disposed of product sack in MW12
 * nearly all well boxes were full of water
 * heavy AM rain may have delayed sampling.
 * removed & disposed of stingers @ MW-6, 2, & MW1
 * pulled product only sample @ MW12

18-He I

Page _____ **of** _____

● Summary Continued:

drum waste inventory

#001 @ 2-28-06 47 gallons

#002 2-28-06 45 gallons

A hand-drawn sketch on lined paper showing a series of intersecting diagonal lines forming a grid-like pattern. The lines are drawn with a pen or pencil in black ink.

Cris

Attachment E

Laboratory Analytical Reports and Chain-of-Custody Documentation

March 13, 2006

Client: ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn: Patrick McCullough

RECEIVED	
MAR 17 2006	Work Order:
	Project Name:
	Project Nbr:
ETIC ENGINEERING INC.	INNOM
	Date Received:

NPC0235
Exxon(06) 18-HE1 PO:4507034191
18-HE1
4507034191
03/02/06

SAMPLE IDENTIFICATION

LAB NUMBER

COLLECTION DATE AND TIME

MW-1	NPC0235-01	02/28/06 07:00
MW-2	NPC0235-02	02/28/06 07:30
MW-3	NPC0235-03	02/28/06 08:00
MW-5	NPC0235-04	02/28/06 08:30
MW-6	NPC0235-05	02/28/06 09:00
MW-7	NPC0235-06	02/28/06 09:30
MW-8	NPC0235-07	02/28/06 10:00
MW-9	NPC0235-08	02/28/06 10:30
MW-10	NPC0235-09	02/28/06 11:00
MW-11	NPC0235-10	02/28/06 11:30
MW-13	NPC0235-11	02/28/06 12:30
MW-14	NPC0235-12	02/28/06 13:00
MW-15	NPC0235-13	02/28/06 13:30
MW-16	NPC0235-14	02/28/06 14:00
MW-17	NPC0235-15	02/28/06 14:30
MW-18	NPC0235-16	02/28/06 15:00
MW-19	NPC0235-17	02/28/06 15:30

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

California Certification Number: 01168CA

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:



Leah R. Klingensmith
Senior Project Management

Client ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn Patrick McCullough

Work Order: NPC0235
Project Name: Exxon(06) 18-HE1 PO:4507034191
Project Number: 18-HE1
Received: 03/02/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPC0235-01 (MW-1 - Ground Water) Sampled: 02/28/06 07:00								
General Chemistry Parameters								
Alkalinity, Total (CaCO ₃)	337		mg/L	10.0	1	03/02/06 19:48	EPA 310.1	6030489
Iron, ferrous	0.272	HTI	mg/L	0.100	1	03/02/06 21:08	SM 3500Fe D	6030528
Sulfate	765		mg/L	50.0	50	03/06/06 09:58	SW846 9038	6030573
Nitrate as N	0.824	H3	mg/L	0.100	1	03/02/06 22:01	EPA 353.2	6030488
Methane, Ethane, and Ethene by GC								
Methane	ND		ug/L	26.0	1	03/03/06 12:39	RSK 175	6030530
<i>Surr: Acetylene (70-130%)</i>	99 %					03/03/06 12:39	RSK 175	6030530
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	1.93		ug/L	1.00	1	03/09/06 15:53	SW846 8260B	6032052
Benzene	ND		ug/L	1.00	1	03/09/06 15:53	SW846 8260B	6032052
Ethanol	ND		ug/L	50.0	1	03/08/06 19:12	SW846 8260B	6031217
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 15:53	SW846 8260B	6032052
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 15:53	SW846 8260B	6032052
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 15:53	SW846 8260B	6032052
Methyl tert-Butyl Ether	12.7		ug/L	2.00	1	03/09/06 15:53	SW846 8260B	6032052
Toluene	2.29		ug/L	1.00	1	03/09/06 15:53	SW846 8260B	6032052
Tertiary Butyl Alcohol	63.1		ug/L	10.0	1	03/09/06 15:53	SW846 8260B	6032052
Xylenes, total	ND		ug/L	1.00	1	03/09/06 15:53	SW846 8260B	6032052
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	101 %					03/08/06 19:12	SW846 8260B	6031217
<i>Surr: Dibromofluoromethane (73-124%)</i>	102 %					03/08/06 19:12	SW846 8260B	6031217
<i>Surr: Toluene-d8 (78-121%)</i>	110 %					03/08/06 19:12	SW846 8260B	6031217
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	118 %					03/08/06 19:12	SW846 8260B	6031217
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	102 %					03/09/06 15:53	SW846 8260B	6032052
<i>Surr: Dibromofluoromethane (79-122%)</i>	103 %					03/09/06 15:53	SW846 8260B	6032052
<i>Surr: Toluene-d8 (78-121%)</i>	115 %					03/09/06 15:53	SW846 8260B	6032052
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	128 %	Z10				03/09/06 15:53	SW846 8260B	6032052
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	03/06/06 17:25	SW846 8015B	6031115
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	86 %					03/06/06 17:25	SW846 8015B	6031115
Sample ID: NPC0235-02 (MW-2 - Ground Water) Sampled: 02/28/06 07:30								
General Chemistry Parameters								
Alkalinity, Total (CaCO ₃)	284		mg/L	10.0	1	03/02/06 19:48	EPA 310.1	6030489
Iron, ferrous	ND	HTI	mg/L	0.100	1	03/02/06 22:17	SM 3500Fe D	6030528
Sulfate	1270		mg/L	100	100	03/06/06 09:58	SW846 9038	6030573
Nitrate as N	2.97	H3	mg/L	0.100	1	03/02/06 22:02	EPA 353.2	6030488
Methane, Ethane, and Ethene by GC								
Methane	ND		ug/L	26.0	1	03/03/06 12:43	RSK 175	6030530
<i>Surr: Acetylene (70-130%)</i>	102 %					03/03/06 12:43	RSK 175	6030530
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 16:16	SW846 8260B	6032052
Benzene	ND		ug/L	1.00	1	03/09/06 16:16	SW846 8260B	6032052

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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Sample ID: NPC0235-02 (MW-2 - Ground Water) - cont. Sampled: 02/28/06 07:30

Selected Volatile Organic Compounds by EPA Method 8260B - cont.

Ethanol	ND		ug/L	50.0	1	03/08/06 19:35	SW846 8260B	6031217
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 16:16	SW846 8260B	6032052
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 16:16	SW846 8260B	6032052
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 16:16	SW846 8260B	6032052
Methyl tert-Butyl Ether	6.49		ug/L	2.00	1	03/09/06 16:16	SW846 8260B	6032052
Toluene	1.60		ug/L	1.00	1	03/09/06 16:16	SW846 8260B	6032052
Tertiary Butyl Alcohol	69.5		ug/L	10.0	1	03/09/06 16:16	SW846 8260B	6032052
Xylenes, total	ND		ug/L	1.00	1	03/09/06 16:16	SW846 8260B	6032052
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	<i>103 %</i>					<i>03/08/06 19:35</i>	<i>SW846 8260B</i>	<i>6031217</i>
<i>Surr: Dibromofluoromethane (73-124%)</i>	<i>101 %</i>					<i>03/08/06 19:35</i>	<i>SW846 8260B</i>	<i>6031217</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>111 %</i>					<i>03/08/06 19:35</i>	<i>SW846 8260B</i>	<i>6031217</i>
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	<i>115 %</i>					<i>03/08/06 19:35</i>	<i>SW846 8260B</i>	<i>6031217</i>
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	<i>102 %</i>					<i>03/09/06 16:16</i>	<i>SW846 8260B</i>	<i>6032052</i>
<i>Surr: Dibromofluoromethane (79-122%)</i>	<i>103 %</i>					<i>03/09/06 16:16</i>	<i>SW846 8260B</i>	<i>6032052</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>115 %</i>					<i>03/09/06 16:16</i>	<i>SW846 8260B</i>	<i>6032052</i>
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	<i>125 %</i>					<i>03/09/06 16:16</i>	<i>SW846 8260B</i>	<i>6032052</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	03/06/06 17:57	SW846 8015B	6031115
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	<i>81 %</i>					<i>03/06/06 17:57</i>	<i>SW846 8015B</i>	<i>6031115</i>

Sample ID: NPC0235-03 (MW-3 - Ground Water) Sampled: 02/28/06 08:00

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/08/06 19:59	SW846 8260B	6031217
Benzene	ND		ug/L	1.00	1	03/08/06 19:59	SW846 8260B	6031217
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/08/06 19:59	SW846 8260B	6031217
Diisopropyl Ether	ND		ug/L	1.00	1	03/08/06 19:59	SW846 8260B	6031217
Ethylbenzene	ND		ug/L	1.00	1	03/08/06 19:59	SW846 8260B	6031217
Methyl tert-Butyl Ether	ND		ug/L	2.00	1	03/08/06 19:59	SW846 8260B	6031217
Toluene	ND		ug/L	1.00	1	03/08/06 19:59	SW846 8260B	6031217
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/08/06 19:59	SW846 8260B	6031217
Xylenes, total	ND		ug/L	1.00	1	03/08/06 19:59	SW846 8260B	6031217
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	<i>103 %</i>					<i>03/08/06 19:59</i>	<i>SW846 8260B</i>	<i>6031217</i>
<i>Surr: Dibromofluoromethane (79-122%)</i>	<i>102 %</i>					<i>03/08/06 19:59</i>	<i>SW846 8260B</i>	<i>6031217</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>111 %</i>					<i>03/08/06 19:59</i>	<i>SW846 8260B</i>	<i>6031217</i>
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	<i>114 %</i>					<i>03/08/06 19:59</i>	<i>SW846 8260B</i>	<i>6031217</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	03/06/06 18:29	SW846 8015B	6031115
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	<i>82 %</i>					<i>03/06/06 18:29</i>	<i>SW846 8015B</i>	<i>6031115</i>

Client ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn Patrick McCullough

Work Order: NPC0235
Project Name: Exxon(06) 18-HE1 PO:4507034191
Project Number: 18-HE1
Received: 03/02/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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Sample ID: NPC0235-04 (MW-5 - Ground Water) Sampled: 02/28/06 08:30

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/08/06 20:23	SW846 8260B	6031217
Benzene	ND		ug/L	1.00	1	03/08/06 20:23	SW846 8260B	6031217
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/08/06 20:23	SW846 8260B	6031217
Diisopropyl Ether	ND		ug/L	1.00	1	03/08/06 20:23	SW846 8260B	6031217
Ethylbenzene	ND		ug/L	1.00	1	03/08/06 20:23	SW846 8260B	6031217
Methyl tert-Butyl Ether	6.36		ug/L	2.00	1	03/08/06 20:23	SW846 8260B	6031217
Toluene	ND		ug/L	1.00	1	03/08/06 20:23	SW846 8260B	6031217
Tertiary Butyl Alcohol	26.1		ug/L	10.0	1	03/08/06 20:23	SW846 8260B	6031217
Xylenes, total	ND		ug/L	1.00	1	03/08/06 20:23	SW846 8260B	6031217
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	98 %					03/08/06 20:23	SW846 8260B	6031217
<i>Surr: Dibromofluoromethane (79-122%)</i>	102 %					03/08/06 20:23	SW846 8260B	6031217
<i>Surr: Toluene-d8 (78-121%)</i>	110 %					03/08/06 20:23	SW846 8260B	6031217
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	116 %					03/08/06 20:23	SW846 8260B	6031217

Purgeable Petroleum Hydrocarbons

GRO as Gasoline	81.6		ug/L	50.0	1	03/06/06 19:02	SW846 8015B	6031115
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	79 %					03/06/06 19:02	SW846 8015B	6031115

Sample ID: NPC0235-05 (MW-6 - Ground Water) Sampled: 02/28/06 09:00

General Chemistry Parameters

Alkalinity, Total (CaCO ₃)	285		mg/L	10.0	1	03/02/06 19:48	EPA 310.1	6030489
Iron, ferrous	ND	HTI	mg/L	0.100	1	03/02/06 21:08	SM 3500Fe D	6030528
Sulfate	808		mg/L	100	100	03/06/06 09:58	SW846 9038	6030573
Nitrate as N	2.39	H3	mg/L	0.100	1	03/02/06 22:03	EPA 353.2	6030488

Methane, Ethane, and Ethene by GC

Methane	ND		ug/L	26.0	1	03/03/06 12:47	RSK 175	6030530
<i>Surr: Acetylene (70-130%)</i>	97 %					03/03/06 12:47	RSK 175	6030530

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	1.83		ug/L	1.00	1	03/09/06 17:39	SW846 8260B	6032052
Benzene	ND		ug/L	1.00	1	03/09/06 17:39	SW846 8260B	6032052
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 17:39	SW846 8260B	6032052
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 17:39	SW846 8260B	6032052
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 17:39	SW846 8260B	6032052
Methyl tert-Butyl Ether	ND		ug/L	2.00	1	03/09/06 17:39	SW846 8260B	6032052
Toluene	ND		ug/L	1.00	1	03/09/06 17:39	SW846 8260B	6032052
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/09/06 17:39	SW846 8260B	6032052
Xylenes, total	ND		ug/L	1.00	1	03/09/06 17:39	SW846 8260B	6032052
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	100 %					03/09/06 17:39	SW846 8260B	6032052
<i>Surr: Dibromofluoromethane (79-122%)</i>	102 %					03/09/06 17:39	SW846 8260B	6032052
<i>Surr: Toluene-d8 (78-121%)</i>	119 %					03/09/06 17:39	SW846 8260B	6032052
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	127 %	Z10				03/09/06 17:39	SW846 8260B	6032052

Purgeable Petroleum Hydrocarbons

GRO as Gasoline	ND		ug/L	50.0	1	03/06/06 19:34	SW846 8015B	6031115
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Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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Sample ID: NPC0235-05 (MW-6 - Ground Water) - cont. Sampled: 02/28/06 09:00

Purgeable Petroleum Hydrocarbons - cont.

Surr: *a,a,a-Trifluorotoluene* (63-134%) 82 %

03/06/06 19:34 SW846 8015B 6031115

Sample ID: NPC0235-06 (MW-7 - Ground Water) Sampled: 02/28/06 09:30

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND	ug/L	1.00	1	03/08/06 20:46	SW846 8260B	6031217
Benzene	1420	ug/L	20.0	20	03/09/06 18:50	SW846 8260B	6032052
Ethyl tert-Butyl Ether	ND	ug/L	1.00	1	03/08/06 20:46	SW846 8260B	6031217
Diisopropyl Ether	ND	ug/L	1.00	1	03/08/06 20:46	SW846 8260B	6031217
Ethylbenzene	1400	ug/L	20.0	20	03/09/06 18:50	SW846 8260B	6032052
Methyl tert-Butyl Ether	ND	ug/L	2.00	1	03/08/06 20:46	SW846 8260B	6031217
Toluene	405	ug/L	20.0	20	03/09/06 18:50	SW846 8260B	6032052
Tertiary Butyl Alcohol	ND	ug/L	10.0	1	03/08/06 20:46	SW846 8260B	6031217
Xylenes, total	249	ug/L	1.00	1	03/08/06 20:46	SW846 8260B	6031217
Surr: <i>1,2-Dichloroethane-d4</i> (70-130%)	95 %				03/08/06 20:46	SW846 8260B	6031217
Surr: <i>1,2-Dichloroethane-d4</i> (70-130%)	92 %				03/09/06 18:50	SW846 8260B	6032052
Surr: <i>Dibromofluoromethane</i> (79-122%)	100 %				03/08/06 20:46	SW846 8260B	6031217
Surr: <i>Dibromofluoromethane</i> (79-122%)	98 %				03/09/06 18:50	SW846 8260B	6032052
Surr: <i>Toluene-d8</i> (78-121%)	109 %				03/08/06 20:46	SW846 8260B	6031217
Surr: <i>Toluene-d8</i> (78-121%)	118 %				03/09/06 18:50	SW846 8260B	6032052
Surr: <i>4-Bromofluorobenzene</i> (78-126%)	106 %				03/08/06 20:46	SW846 8260B	6031217
Surr: <i>4-Bromofluorobenzene</i> (78-126%)	112 %				03/09/06 18:50	SW846 8260B	6032052

Purgeable Petroleum Hydrocarbons

GRO as Gasoline	13400	ug/L	500	10	03/07/06 11:17	SW846 8015B	6031233
Surr: <i>a,a,a-Trifluorotoluene</i> (63-134%)	110 %				03/07/06 11:17	SW846 8015B	6031233

Sample ID: NPC0235-07 (MW-8 - Ground Water) Sampled: 02/28/06 10:00

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND	ug/L	1.00	1	03/09/06 00:42	SW846 8260B	6031173
Benzene	ND	ug/L	1.00	1	03/09/06 00:42	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND	ug/L	1.00	1	03/09/06 00:42	SW846 8260B	6031173
Diisopropyl Ether	ND	ug/L	1.00	1	03/09/06 00:42	SW846 8260B	6031173
Ethylbenzene	ND	ug/L	1.00	1	03/09/06 00:42	SW846 8260B	6031173
Methyl tert-Butyl Ether	ND	ug/L	2.00	1	03/09/06 00:42	SW846 8260B	6031173
Toluene	ND	ug/L	1.00	1	03/09/06 00:42	SW846 8260B	6031173
Tertiary Butyl Alcohol	ND	ug/L	10.0	1	03/09/06 00:42	SW846 8260B	6031173
Xylenes, total	ND	ug/L	1.00	1	03/09/06 00:42	SW846 8260B	6031173
Surr: <i>1,2-Dichloroethane-d4</i> (70-130%)	103 %				03/09/06 00:42	SW846 8260B	6031173
Surr: <i>Dibromofluoromethane</i> (79-122%)	104 %				03/09/06 00:42	SW846 8260B	6031173
Surr: <i>Toluene-d8</i> (78-121%)	113 %				03/09/06 00:42	SW846 8260B	6031173
Surr: <i>4-Bromofluorobenzene</i> (78-126%)	120 %				03/09/06 00:42	SW846 8260B	6031173

Purgeable Petroleum Hydrocarbons

GRO as Gasoline	ND	ug/L	50.0	1	03/06/06 20:39	SW846 8015B	6031115
Surr: <i>a,a,a-Trifluorotoluene</i> (63-134%)	86 %				03/06/06 20:39	SW846 8015B	6031115

Client ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn Patrick McCullough

Work Order: NPC0235
Project Name: Exxon(06) 18-HE1 PO:4507034191
Project Number: 18-HE1
Received: 03/02/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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Sample ID: NPC0235-08 (MW-9 - Ground Water) Sampled: 02/28/06 10:30

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 01:06	SW846 8260B	6031173
Benzene	ND		ug/L	1.00	1	03/09/06 01:06	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 01:06	SW846 8260B	6031173
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 01:06	SW846 8260B	6031173
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 01:06	SW846 8260B	6031173
Methyl tert-Butyl Ether	ND		ug/L	2.00	1	03/09/06 01:06	SW846 8260B	6031173
Toluene	ND		ug/L	1.00	1	03/09/06 01:06	SW846 8260B	6031173
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/09/06 01:06	SW846 8260B	6031173
Xylenes, total	ND		ug/L	1.00	1	03/09/06 01:06	SW846 8260B	6031173
Surr: 1,2-Dichloroethane-d4 (70-130%)	103 %					03/09/06 01:06	SW846 8260B	6031173
Surr: Dibromofluoromethane (79-122%)	102 %					03/09/06 01:06	SW846 8260B	6031173
Surr: Toluene-d8 (78-121%)	113 %					03/09/06 01:06	SW846 8260B	6031173
Surr: 4-Bromofluorobenzene (78-126%)	117 %					03/09/06 01:06	SW846 8260B	6031173
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	03/06/06 21:11	SW846 8015B	6031115
Surr: a,a,a-Trifluorotoluene (63-134%)	81 %					03/06/06 21:11	SW846 8015B	6031115

Sample ID: NPC0235-09 (MW-10 - Ground Water) Sampled: 02/28/06 11:00

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 01:30	SW846 8260B	6031173
Benzene	ND		ug/L	1.00	1	03/09/06 01:30	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 01:30	SW846 8260B	6031173
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 01:30	SW846 8260B	6031173
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 01:30	SW846 8260B	6031173
Methyl tert-Butyl Ether	28.8		ug/L	2.00	1	03/09/06 01:30	SW846 8260B	6031173
Toluene	ND		ug/L	1.00	1	03/09/06 01:30	SW846 8260B	6031173
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/09/06 01:30	SW846 8260B	6031173
Xylenes, total	ND		ug/L	1.00	1	03/09/06 01:30	SW846 8260B	6031173
Surr: 1,2-Dichloroethane-d4 (70-130%)	102 %					03/09/06 01:30	SW846 8260B	6031173
Surr: Dibromofluoromethane (79-122%)	102 %					03/09/06 01:30	SW846 8260B	6031173
Surr: Toluene-d8 (78-121%)	112 %					03/09/06 01:30	SW846 8260B	6031173
Surr: 4-Bromofluorobenzene (78-126%)	121 %					03/09/06 01:30	SW846 8260B	6031173
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	03/06/06 21:44	SW846 8015B	6031115
Surr: a,a,a-Trifluorotoluene (63-134%)	83 %					03/06/06 21:44	SW846 8015B	6031115

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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Sample ID: NPC0235-10 (MW-11 - Ground Water) Sampled: 02/28/06 11:30

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 01:53	SW846 8260B	6031173
Benzene	ND		ug/L	1.00	1	03/09/06 01:53	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 01:53	SW846 8260B	6031173
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 01:53	SW846 8260B	6031173
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 01:53	SW846 8260B	6031173
Methyl tert-Butyl Ether	ND		ug/L	2.00	1	03/09/06 01:53	SW846 8260B	6031173
Toluene	ND		ug/L	1.00	1	03/09/06 01:53	SW846 8260B	6031173
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/09/06 01:53	SW846 8260B	6031173
Xylenes, total	ND		ug/L	1.00	1	03/09/06 01:53	SW846 8260B	6031173
Surr: 1,2-Dichloroethane-d4 (70-130%)	102 %					03/09/06 01:53	SW846 8260B	6031173
Surr: Dibromofluoromethane (79-122%)	102 %					03/09/06 01:53	SW846 8260B	6031173
Surr: Toluene-d8 (78-121%)	112 %					03/09/06 01:53	SW846 8260B	6031173
Surr: 4-Bromofluorobenzene (78-126%)	120 %					03/09/06 01:53	SW846 8260B	6031173
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	03/06/06 22:16	SW846 8015B	6031115
Surr: a,a,a-Trifluorotoluene (63-134%)	82 %					03/06/06 22:16	SW846 8015B	6031115

Sample ID: NPC0235-11 (MW-13 - Ground Water) Sampled: 02/28/06 12:30

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 02:17	SW846 8260B	6031173
Benzene	ND		ug/L	1.00	1	03/09/06 02:17	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 02:17	SW846 8260B	6031173
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 02:17	SW846 8260B	6031173
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 02:17	SW846 8260B	6031173
Methyl tert-Butyl Ether	ND		ug/L	2.00	1	03/09/06 02:17	SW846 8260B	6031173
Toluene	ND		ug/L	1.00	1	03/09/06 02:17	SW846 8260B	6031173
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/09/06 02:17	SW846 8260B	6031173
Xylenes, total	ND		ug/L	1.00	1	03/09/06 02:17	SW846 8260B	6031173
Surr: 1,2-Dichloroethane-d4 (70-130%)	102 %					03/09/06 02:17	SW846 8260B	6031173
Surr: Dibromofluoromethane (79-122%)	102 %					03/09/06 02:17	SW846 8260B	6031173
Surr: Toluene-d8 (78-121%)	113 %					03/09/06 02:17	SW846 8260B	6031173
Surr: 4-Bromofluorobenzene (78-126%)	120 %					03/09/06 02:17	SW846 8260B	6031173
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	03/06/06 22:48	SW846 8015B	6031115
Surr: a,a,a-Trifluorotoluene (63-134%)	82 %					03/06/06 22:48	SW846 8015B	6031115

Client ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn Patrick McCullough

Work Order: NPC0235
Project Name: Exxon(06) 18-HE1 PO:4507034191
Project Number: 18-HE1
Received: 03/02/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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Sample ID: NPC0235-12 (MW-14 - Ground Water) Sampled: 02/28/06 13:00

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 02:40	SW846 8260B	6031173
Benzene	ND		ug/L	1.00	1	03/09/06 02:40	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 02:40	SW846 8260B	6031173
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 02:40	SW846 8260B	6031173
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 02:40	SW846 8260B	6031173
Methyl tert-Butyl Ether	ND		ug/L	2.00	1	03/09/06 02:40	SW846 8260B	6031173
Toluene	ND		ug/L	1.00	1	03/09/06 02:40	SW846 8260B	6031173
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/09/06 02:40	SW846 8260B	6031173
Xylenes, total	ND		ug/L	1.00	1	03/09/06 02:40	SW846 8260B	6031173
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	103 %					03/09/06 02:40	SW846 8260B	6031173
<i>Surr: Dibromofluoromethane (79-122%)</i>	102 %					03/09/06 02:40	SW846 8260B	6031173
<i>Surr: Toluene-d8 (78-121%)</i>	112 %					03/09/06 02:40	SW846 8260B	6031173
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	121 %					03/09/06 02:40	SW846 8260B	6031173

Purgeable Petroleum Hydrocarbons

GRO as Gasoline	ND		ug/L	50.0	1	03/06/06 23:20	SW846 8015B	6031115
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	82 %					03/06/06 23:20	SW846 8015B	6031115

Sample ID: NPC0235-13 (MW-15 - Ground Water) Sampled: 02/28/06 13:30

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 03:04	SW846 8260B	6031173
Benzene	ND		ug/L	1.00	1	03/09/06 03:04	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 03:04	SW846 8260B	6031173
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 03:04	SW846 8260B	6031173
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 03:04	SW846 8260B	6031173
Methyl tert-Butyl Ether	ND		ug/L	2.00	1	03/09/06 03:04	SW846 8260B	6031173
Toluene	ND		ug/L	1.00	1	03/09/06 03:04	SW846 8260B	6031173
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/09/06 03:04	SW846 8260B	6031173
Xylenes, total	ND		ug/L	1.00	1	03/09/06 03:04	SW846 8260B	6031173
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	103 %					03/09/06 03:04	SW846 8260B	6031173
<i>Surr: Dibromofluoromethane (79-122%)</i>	103 %					03/09/06 03:04	SW846 8260B	6031173
<i>Surr: Toluene-d8 (78-121%)</i>	113 %					03/09/06 03:04	SW846 8260B	6031173
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	121 %					03/09/06 03:04	SW846 8260B	6031173

Purgeable Petroleum Hydrocarbons

GRO as Gasoline	ND		ug/L	50.0	1	03/06/06 23:53	SW846 8015B	6031115
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	83 %					03/06/06 23:53	SW846 8015B	6031115

Client ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn Patrick McCullough

Work Order: NPC0235
Project Name: Exxon(06) 18-HE1 PO:4507034191
Project Number: 18-HE1
Received: 03/02/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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Sample ID: NPC0235-14 (MW-16 - Ground Water) Sampled: 02/28/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 03:28	SW846 8260B	6031173
Benzene	ND		ug/L	1.00	1	03/09/06 03:28	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 03:28	SW846 8260B	6031173
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 03:28	SW846 8260B	6031173
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 03:28	SW846 8260B	6031173
Methyl tert-Butyl Ether	43.2		ug/L	2.00	1	03/09/06 03:28	SW846 8260B	6031173
Toluene	ND		ug/L	1.00	1	03/09/06 03:28	SW846 8260B	6031173
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/09/06 03:28	SW846 8260B	6031173
Xylenes, total	ND		ug/L	1.00	1	03/09/06 03:28	SW846 8260B	6031173
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	102 %					03/09/06 03:28	SW846 8260B	6031173
<i>Surr: Dibromofluoromethane (79-122%)</i>	103 %					03/09/06 03:28	SW846 8260B	6031173
<i>Surr: Toluene-d8 (78-121%)</i>	113 %					03/09/06 03:28	SW846 8260B	6031173
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	119 %					03/09/06 03:28	SW846 8260B	6031173

Purgeable Petroleum Hydrocarbons

GRO as Gasoline	ND		ug/L	50.0	1	03/07/06 00:25	SW846 8015B	6031115
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	85 %					03/07/06 00:25	SW846 8015B	6031115

Sample ID: NPC0235-15 (MW-17 - Ground Water) Sampled: 02/28/06 14:30

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 08:11	SW846 8260B	6031173
Benzene	75.3		ug/L	1.00	1	03/09/06 08:11	SW846 8260B	6031173
Ethanol	ND		ug/L	50.0	1	03/09/06 08:11	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 08:11	SW846 8260B	6031173
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 08:11	SW846 8260B	6031173
Ethylbenzene	11.9		ug/L	1.00	1	03/09/06 08:11	SW846 8260B	6031173
Methyl tert-Butyl Ether	28.0		ug/L	2.00	1	03/09/06 08:11	SW846 8260B	6031173
Toluene	ND		ug/L	1.00	1	03/09/06 08:11	SW846 8260B	6031173
Tertiary Butyl Alcohol	2690		ug/L	100	10	03/10/06 14:27	SW846 8260B	6031365
Xylenes, total	5.00		ug/L	1.00	1	03/09/06 08:11	SW846 8260B	6031173
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	97 %					03/09/06 08:11	SW846 8260B	6031173
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	101 %					03/10/06 14:27	SW846 8260B	6031365
<i>Surr: Dibromofluoromethane (79-122%)</i>	99 %					03/09/06 08:11	SW846 8260B	6031173
<i>Surr: Dibromofluoromethane (79-122%)</i>	103 %					03/10/06 14:27	SW846 8260B	6031365
<i>Surr: Toluene-d8 (78-121%)</i>	113 %					03/09/06 08:11	SW846 8260B	6031173
<i>Surr: Toluene-d8 (78-121%)</i>	118 %					03/10/06 14:27	SW846 8260B	6031365
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	119 %					03/09/06 08:11	SW846 8260B	6031173
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	126 %					03/10/06 14:27	SW846 8260B	6031365

Purgeable Petroleum Hydrocarbons

GRO as Gasoline	471		ug/L	50.0	1	03/07/06 00:57	SW846 8015B	6031115
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	82 %					03/07/06 00:57	SW846 8015B	6031115

Sample ID: NPC0235-16 (MW-18 - Ground Water) Sampled: 02/28/06 15:00

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 04:15	SW846 8260B	6031173
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Client ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn Patrick McCullough

Work Order: NPC0235
Project Name: Exxon(06) 18-HE1 PO:4507034191
Project Number: 18-HE1
Received: 03/02/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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Sample ID: NPC0235-16 (MW-18 - Ground Water) - cont. Sampled: 02/28/06 15:00

Volatile Organic Compounds by EPA Method 8260B - cont.

Benzene	ND		ug/L	1.00	1	03/09/06 04:15	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 04:15	SW846 8260B	6031173
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 04:15	SW846 8260B	6031173
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 04:15	SW846 8260B	6031173
Methyl tert-Butyl Ether	ND		ug/L	2.00	1	03/09/06 04:15	SW846 8260B	6031173
Toluene	ND		ug/L	1.00	1	03/09/06 04:15	SW846 8260B	6031173
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/09/06 04:15	SW846 8260B	6031173
Xylenes, total	ND		ug/L	1.00	1	03/09/06 04:15	SW846 8260B	6031173
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	102 %					03/09/06 04:15	SW846 8260B	6031173
<i>Surr: Dibromofluoromethane (79-122%)</i>	102 %					03/09/06 04:15	SW846 8260B	6031173
<i>Surr: Toluene-d8 (78-121%)</i>	113 %					03/09/06 04:15	SW846 8260B	6031173
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	119 %					03/09/06 04:15	SW846 8260B	6031173
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	03/07/06 01:30	SW846 8015B	6031115
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	81 %					03/07/06 01:30	SW846 8015B	6031115

Sample ID: NPC0235-17 (MW-19 - Ground Water) Sampled: 02/28/06 15:30

Volatile Organic Compounds by EPA Method 8260B

Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	03/09/06 03:51	SW846 8260B	6031173
Benzene	ND		ug/L	1.00	1	03/09/06 03:51	SW846 8260B	6031173
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	03/09/06 03:51	SW846 8260B	6031173
Diisopropyl Ether	ND		ug/L	1.00	1	03/09/06 03:51	SW846 8260B	6031173
Ethylbenzene	ND		ug/L	1.00	1	03/09/06 03:51	SW846 8260B	6031173
Methyl tert-Butyl Ether	ND		ug/L	2.00	1	03/09/06 03:51	SW846 8260B	6031173
Toluene	ND		ug/L	1.00	1	03/09/06 03:51	SW846 8260B	6031173
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/09/06 03:51	SW846 8260B	6031173
Xylenes, total	ND		ug/L	1.00	1	03/09/06 03:51	SW846 8260B	6031173
<i>Surr: 1,2-Dichloroethane-d4 (70-130%)</i>	102 %					03/09/06 03:51	SW846 8260B	6031173
<i>Surr: Dibromofluoromethane (79-122%)</i>	103 %					03/09/06 03:51	SW846 8260B	6031173
<i>Surr: Toluene-d8 (78-121%)</i>	112 %					03/09/06 03:51	SW846 8260B	6031173
<i>Surr: 4-Bromofluorobenzene (78-126%)</i>	122 %					03/09/06 03:51	SW846 8260B	6031173
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	03/07/06 02:02	SW846 8015B	6031115
<i>Surr: a,a,a-Trifluorotoluene (63-134%)</i>	83 %					03/07/06 02:02	SW846 8015B	6031115

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
6030488-BLK1 Nitrate as N	<0.0500		mg/L	6030488	6030488-BLK1	03/02/06 21:54
6030489-BLK1 Alkalinity, Total (CaCO ₃)	<5.00		mg/L	6030489	6030489-BLK1	03/02/06 19:48
6030528-BLK1 Iron, ferrous	<0.0420		mg/L	6030528	6030528-BLK1	03/02/06 20:14
6030573-BLK1 Sulfate	<0.620		mg/L	6030573	6030573-BLK1	03/06/06 09:58
Methane, Ethane, and Ethene by GC						
6030530-BLK1 Methane	<5.00		ug/L	6030530	6030530-BLK1	03/03/06 13:57
<i>Surrogate: Acetylene</i>	109%			6030530	6030530-BLK1	03/03/06 13:57
Volatile Organic Compounds by EPA Method 8260B						
6031173-BLK1 Tert-Amyl Methyl Ether	<0.200		ug/L	6031173	6031173-BLK1	03/09/06 00:19
Benzene	<0.200		ug/L	6031173	6031173-BLK1	03/09/06 00:19
Ethanol	<30.7		ug/L	6031173	6031173-BLK1	03/09/06 00:19
Ethyl tert-Butyl Ether	<0.200		ug/L	6031173	6031173-BLK1	03/09/06 00:19
Diisopropyl Ether	<0.200		ug/L	6031173	6031173-BLK1	03/09/06 00:19
Ethylbenzene	<0.200		ug/L	6031173	6031173-BLK1	03/09/06 00:19
Methyl tert-Butyl Ether	<0.200		ug/L	6031173	6031173-BLK1	03/09/06 00:19
Toluene	<0.200		ug/L	6031173	6031173-BLK1	03/09/06 00:19
Tertiary Butyl Alcohol	<5.06		ug/L	6031173	6031173-BLK1	03/09/06 00:19
Xylenes, total	<0.350		ug/L	6031173	6031173-BLK1	03/09/06 00:19
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101%			6031173	6031173-BLK1	03/09/06 00:19
<i>Surrogate: Dibromofluoromethane</i>	101%			6031173	6031173-BLK1	03/09/06 00:19
<i>Surrogate: Toluene-d8</i>	113%			6031173	6031173-BLK1	03/09/06 00:19
<i>Surrogate: 4-Bromofluorobenzene</i>	119%			6031173	6031173-BLK1	03/09/06 00:19
6031217-BLK1						
Tert-Amyl Methyl Ether	<0.200		ug/L	6031217	6031217-BLK1	03/08/06 14:51
Benzene	<0.200		ug/L	6031217	6031217-BLK1	03/08/06 14:51
Ethanol	<30.7		ug/L	6031217	6031217-BLK1	03/08/06 14:51
Ethyl tert-Butyl Ether	<0.200		ug/L	6031217	6031217-BLK1	03/08/06 14:51
Diisopropyl Ether	<0.200		ug/L	6031217	6031217-BLK1	03/08/06 14:51
Ethylbenzene	<0.200		ug/L	6031217	6031217-BLK1	03/08/06 14:51
Methyl tert-Butyl Ether	<0.200		ug/L	6031217	6031217-BLK1	03/08/06 14:51
Toluene	<0.200		ug/L	6031217	6031217-BLK1	03/08/06 14:51

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA

Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6031217-BLK1						
Tertiary Butyl Alcohol	<5.06		ug/L	6031217	6031217-BLK1	03/08/06 14:51
Xylenes, total	<0.350		ug/L	6031217	6031217-BLK1	03/08/06 14:51
Surrogate: 1,2-Dichloroethane-d4	102%			6031217	6031217-BLK1	03/08/06 14:51
Surrogate: Dibromofluoromethane	101%			6031217	6031217-BLK1	03/08/06 14:51
Surrogate: Toluene-d8	109%			6031217	6031217-BLK1	03/08/06 14:51
Surrogate: 4-Bromofluorobenzene	113%			6031217	6031217-BLK1	03/08/06 14:51
6031365-BLK1						
Tert-Amyl Methyl Ether	<0.200		ug/L	6031365	6031365-BLK1	03/10/06 11:26
Ethyl tert-Butyl Ether	<0.200		ug/L	6031365	6031365-BLK1	03/10/06 11:26
Diisopropyl Ether	<0.200		ug/L	6031365	6031365-BLK1	03/10/06 11:26
Methyl tert-Butyl Ether	<0.200		ug/L	6031365	6031365-BLK1	03/10/06 11:26
Tertiary Butyl Alcohol	<5.06		ug/L	6031365	6031365-BLK1	03/10/06 11:26
Surrogate: 1,2-Dichloroethane-d4	101%			6031365	6031365-BLK1	03/10/06 11:26
Surrogate: Dibromofluoromethane	102%			6031365	6031365-BLK1	03/10/06 11:26
Surrogate: Toluene-d8	117%			6031365	6031365-BLK1	03/10/06 11:26
Surrogate: 4-Bromofluorobenzene	123%			6031365	6031365-BLK1	03/10/06 11:26
6032052-BLK1						
Tert-Amyl Methyl Ether	<0.200		ug/L	6032052	6032052-BLK1	03/09/06 12:42
Benzene	<0.200		ug/L	6032052	6032052-BLK1	03/09/06 12:42
Ethanol	<30.7		ug/L	6032052	6032052-BLK1	03/09/06 12:42
Ethyl tert-Butyl Ether	<0.200		ug/L	6032052	6032052-BLK1	03/09/06 12:42
Diisopropyl Ether	<0.200		ug/L	6032052	6032052-BLK1	03/09/06 12:42
Ethylbenzene	<0.200		ug/L	6032052	6032052-BLK1	03/09/06 12:42
Methyl tert-Butyl Ether	<0.200		ug/L	6032052	6032052-BLK1	03/09/06 12:42
Toluene	<0.200		ug/L	6032052	6032052-BLK1	03/09/06 12:42
Tertiary Butyl Alcohol	<5.06		ug/L	6032052	6032052-BLK1	03/09/06 12:42
Xylenes, total	<0.350		ug/L	6032052	6032052-BLK1	03/09/06 12:42
Surrogate: 1,2-Dichloroethane-d4	102%			6032052	6032052-BLK1	03/09/06 12:42
Surrogate: Dibromofluoromethane	102%			6032052	6032052-BLK1	03/09/06 12:42
Surrogate: Toluene-d8	115%			6032052	6032052-BLK1	03/09/06 12:42
Surrogate: 4-Bromofluorobenzene	124%			6032052	6032052-BLK1	03/09/06 12:42

Purgeable Petroleum Hydrocarbons

6031115-BLK1

GRO as Gasoline	<33.0	ug/L	6031115	6031115-BLK1	03/06/06 16:53
Surrogate: a,a,a-Trifluorotoluene	80%		6031115	6031115-BLK1	03/06/06 16:53

6031233-BLK1

GRO as Gasoline	<33.0	ug/L	6031233	6031233-BLK1	03/07/06 10:20
Surrogate: a,a,a-Trifluorotoluene	80%		6031233	6031233-BLK1	03/07/06 10:20

Client ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn Patrick McCullough

Work Order: NPC0235
Project Name: Exxon(06) 18-HE1 PO:4507034191
Project Number: 18-HE1
Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Purgeable Petroleum Hydrocarbons						

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
6030488-DUP1 Nitrate as N	ND	ND		mg/L		20	6030488	NPC0262-05	03/02/06 22:07
6030489-DUP1 Alkalinity, Total (CaCO ₃)	285	285		mg/L	0	20	6030489	NPC0235-05	03/02/06 19:48
6030528-DUP1 Iron, ferrous	ND	ND		mg/L		20	6030528	NPC0235-05	03/02/06 21:08
6030573-DUP1 Sulfate	808	791		mg/L	2	10	6030573	NPC0235-05	03/06/06 09:58

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
6030488-BS1 Nitrate as N	6.00	6.23		mg/L	104%	90 - 110	6030488	03/02/06 21:55
6030489-BS1 Alkalinity, Total (CaCO3)	100	102		ug/mL	102%	90 - 110	6030489	03/02/06 19:48
6030528-BS1 Iron, ferrous	1.00	1.02		ug/mL	102%	80 - 120	6030528	03/02/06 20:14
6030573-BS1 Sulfate	10.0	9.46	M4	mg/L	95%	90 - 110	6030573	03/06/06 09:58
Methane, Ethane, and Ethene by GC								
6030530-BS1 Methane	1330	1510	M3	ug/L	114%	79 - 121	6030530	03/03/06 12:14
<i>Surrogate: Acetylene</i>	4320	4510			104%	70 - 130	6030530	03/03/06 12:14
Volatile Organic Compounds by EPA Method 8260B								
6031173-BS1 Tert-Amyl Methyl Ether	50.0	47.0		ug/L	94%	56 - 145	6031173	03/08/06 23:08
Benzene	50.0	44.5		ug/L	89%	79 - 123	6031173	03/08/06 23:08
Ethanol	5000	5320		ug/L	106%	48 - 164	6031173	03/08/06 23:08
Ethyl tert-Butyl Ether	50.0	43.5		ug/L	87%	64 - 141	6031173	03/08/06 23:08
Diisopropyl Ether	50.0	43.2		ug/L	86%	73 - 135	6031173	03/08/06 23:08
Ethylbenzene	50.0	46.8		ug/L	94%	79 - 125	6031173	03/08/06 23:08
Methyl tert-Butyl Ether	50.0	46.0		ug/L	92%	66 - 142	6031173	03/08/06 23:08
Toluene	50.0	53.0		ug/L	106%	78 - 122	6031173	03/08/06 23:08
Tertiary Butyl Alcohol	500	584		ug/L	117%	42 - 154	6031173	03/08/06 23:08
Xylenes, total	150	139		ug/L	93%	79 - 130	6031173	03/08/06 23:08
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.0	50.4			101%	70 - 130	6031173	03/08/06 23:08
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.0	50.4			101%	70 - 130	6031173	03/08/06 23:08
<i>Surrogate: Dibromofluoromethane</i>	50.0	50.0			100%	79 - 122	6031173	03/08/06 23:08
<i>Surrogate: Dibromofluoromethane</i>	50.0	50.0			100%	79 - 122	6031173	03/08/06 23:08
<i>Surrogate: Toluene-d8</i>	50.0	57.8			116%	78 - 121	6031173	03/08/06 23:08
<i>Surrogate: Toluene-d8</i>	50.0	57.8			116%	78 - 121	6031173	03/08/06 23:08
<i>Surrogate: 4-Bromofluorobenzene</i>	50.0	55.5			111%	78 - 126	6031173	03/08/06 23:08
<i>Surrogate: 4-Bromofluorobenzene</i>	50.0	55.5			111%	78 - 126	6031173	03/08/06 23:08
6031217-BS1 Tert-Amyl Methyl Ether	50.0	46.6		ug/L	93%	56 - 145	6031217	03/08/06 11:55
Benzene	50.0	43.7		ug/L	87%	79 - 123	6031217	03/08/06 11:55
Ethanol	5000	5240		ug/L	105%	48 - 164	6031217	03/08/06 11:55
Ethyl tert-Butyl Ether	50.0	43.3		ug/L	87%	64 - 141	6031217	03/08/06 11:55

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6031217-BS1								
Diisopropyl Ether	50.0	43.4		ug/L	87%	73 - 135	6031217	03/08/06 11:55
Ethylbenzene	50.0	45.3		ug/L	91%	79 - 125	6031217	03/08/06 11:55
Methyl tert-Butyl Ether	50.0	46.0		ug/L	92%	66 - 142	6031217	03/08/06 11:55
Toluene	50.0	50.9		ug/L	102%	78 - 122	6031217	03/08/06 11:55
Tertiary Butyl Alcohol	500	602		ug/L	120%	42 - 154	6031217	03/08/06 11:55
Xylenes, total	150	137		ug/L	91%	79 - 130	6031217	03/08/06 11:55
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.0	50.9			102%	70 - 130	6031217	03/08/06 11:55
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.0	50.9			102%	70 - 130	6031217	03/08/06 11:55
<i>Surrogate: Dibromofluoromethane</i>	50.0	49.9			100%	79 - 122	6031217	03/08/06 11:55
<i>Surrogate: Dibromofluoromethane</i>	50.0	49.9			100%	79 - 122	6031217	03/08/06 11:55
<i>Surrogate: Toluene-d8</i>	50.0	56.9			114%	78 - 121	6031217	03/08/06 11:55
<i>Surrogate: Toluene-d8</i>	50.0	56.9			114%	78 - 121	6031217	03/08/06 11:55
<i>Surrogate: 4-Bromofluorobenzene</i>	50.0	52.7			105%	78 - 126	6031217	03/08/06 11:55
<i>Surrogate: 4-Bromofluorobenzene</i>	50.0	52.7			105%	78 - 126	6031217	03/08/06 11:55
6031365-BS1								
Tert-Amyl Methyl Ether	50.0	41.5		ug/L	83%	56 - 145	6031365	03/10/06 10:15
Ethyl tert-Butyl Ether	50.0	39.4		ug/L	79%	64 - 141	6031365	03/10/06 10:15
Diisopropyl Ether	50.0	41.5		ug/L	83%	73 - 135	6031365	03/10/06 10:15
Methyl tert-Butyl Ether	50.0	42.4		ug/L	85%	66 - 142	6031365	03/10/06 10:15
Tertiary Butyl Alcohol	500	499		ug/L	100%	42 - 154	6031365	03/10/06 10:15
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.0	50.8			102%	70 - 130	6031365	03/10/06 10:15
<i>Surrogate: Dibromofluoromethane</i>	50.0	50.5			101%	79 - 122	6031365	03/10/06 10:15
<i>Surrogate: Toluene-d8</i>	50.0	59.4			119%	78 - 121	6031365	03/10/06 10:15
<i>Surrogate: 4-Bromofluorobenzene</i>	50.0	57.4			115%	78 - 126	6031365	03/10/06 10:15
6032052-BS1								
Tert-Amyl Methyl Ether	50.0	45.3		ug/L	91%	56 - 145	6032052	03/09/06 11:31
Benzene	50.0	44.0		ug/L	88%	79 - 123	6032052	03/09/06 11:31
Ethanol	5000	4610		ug/L	92%	48 - 164	6032052	03/09/06 11:31
Ethyl tert-Butyl Ether	50.0	42.4		ug/L	85%	64 - 141	6032052	03/09/06 11:31
Diisopropyl Ether	50.0	42.8		ug/L	86%	73 - 135	6032052	03/09/06 11:31
Ethylbenzene	50.0	48.7		ug/L	97%	79 - 125	6032052	03/09/06 11:31
Methyl tert-Butyl Ether	50.0	44.9		ug/L	90%	66 - 142	6032052	03/09/06 11:31
Toluene	50.0	54.1		ug/L	108%	78 - 122	6032052	03/09/06 11:31
Tertiary Butyl Alcohol	500	551		ug/L	110%	42 - 154	6032052	03/09/06 11:31
Xylenes, total	150	146		ug/L	97%	79 - 130	6032052	03/09/06 11:31
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.0	49.6			99%	70 - 130	6032052	03/09/06 11:31
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.0	49.6			99%	70 - 130	6032052	03/09/06 11:31
<i>Surrogate: Dibromofluoromethane</i>	50.0	49.7			99%	79 - 122	6032052	03/09/06 11:31
<i>Surrogate: Dibromofluoromethane</i>	50.0	49.7			99%	79 - 122	6032052	03/09/06 11:31
<i>Surrogate: Toluene-d8</i>	50.0	57.8			116%	78 - 121	6032052	03/09/06 11:31

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6032052-BS1								
Surrogate: Toluene-d8	50.0	57.8			116%	78 - 121	6032052	03/09/06 11:31
Surrogate: 4-Bromofluorobenzene	50.0	57.8			116%	78 - 126	6032052	03/09/06 11:31
Surrogate: 4-Bromofluorobenzene	50.0	57.8			116%	78 - 126	6032052	03/09/06 11:31
Purgeable Petroleum Hydrocarbons								
6031115-BS1								
GRO as Gasoline	1000	865		ug/L	86%	68 - 128	6031115	03/07/06 03:39
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.0	26.3			88%	63 - 134	6031115	03/07/06 03:39
6031233-BS1								
GRO as Gasoline	1000	961		ug/L	96%	68 - 128	6031233	03/07/06 15:35
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.0	26.3			88%	63 - 134	6031233	03/07/06 15:35

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
6030488-MS1										
Nitrate as N	ND	6.22		mg/L	6.00	104%	90 - 110	6030488	NPC0231-01	03/02/06 21:58
6030489-MS1										
Alkalinity, Total (CaCO ₃)	337	431		ug/mL	100	94%	90 - 110	6030489	NPC0235-01	03/02/06 19:48
6030528-MS1										
Iron, ferrous	4.04	5.08		ug/mL	1.00	104%	75 - 125	6030528	NPC0231-01	03/02/06 22:04
6030573-MS1										
Sulfate	765	13.3		mg/L	10.0	-7520%	42 - 152	6030573	NPC0235-01	03/06/06 09:58
Volatile Organic Compounds by EPA Method 8260B										
6031173-MS1										
Tert-Amyl Methyl Ether	ND	47.0		ug/L	50.0	94%	45 - 155	6031173	NPC0235-17	03/09/06 08:35
Benzene	ND	45.0		ug/L	50.0	90%	71 - 137	6031173	NPC0235-17	03/09/06 08:35
Ethanol	ND	4150		ug/L	5000	83%	36 - 177	6031173	NPC0235-17	03/09/06 08:35
Ethyl tert-Butyl Ether	ND	46.9		ug/L	50.0	94%	57 - 148	6031173	NPC0235-17	03/09/06 08:35
Diisopropyl Ether	ND	46.3		ug/L	50.0	93%	67 - 143	6031173	NPC0235-17	03/09/06 08:35
Ethylbenzene	ND	50.9		ug/L	50.0	102%	72 - 139	6031173	NPC0235-17	03/09/06 08:35
Methyl tert-Butyl Ether	ND	46.2		ug/L	50.0	92%	55 - 152	6031173	NPC0235-17	03/09/06 08:35
Toluene	ND	56.1		ug/L	50.0	112%	73 - 133	6031173	NPC0235-17	03/09/06 08:35
Tertiary Butyl Alcohol	ND	726		ug/L	500	145%	19 - 183	6031173	NPC0235-17	03/09/06 08:35
Xylenes, total	ND	149		ug/L	150	99%	70 - 143	6031173	NPC0235-17	03/09/06 08:35
Surrogate: 1,2-Dichloroethane-d4		49.8		ug/L	50.0	100%	70 - 130	6031173	NPC0235-17	03/09/06 08:35
Surrogate: 1,2-Dichloroethane-d4		49.8		ug/L	50.0	100%	70 - 130	6031173	NPC0235-17	03/09/06 08:35
Surrogate: Dibromofluoromethane		50.2		ug/L	50.0	100%	79 - 122	6031173	NPC0235-17	03/09/06 08:35
Surrogate: Dibromofluoromethane		50.2		ug/L	50.0	100%	79 - 122	6031173	NPC0235-17	03/09/06 08:35
Surrogate: Toluene-d8		57.8		ug/L	50.0	116%	78 - 121	6031173	NPC0235-17	03/09/06 08:35
Surrogate: Toluene-d8		57.8		ug/L	50.0	116%	78 - 121	6031173	NPC0235-17	03/09/06 08:35
Surrogate: 4-Bromofluorobenzene		57.5		ug/L	50.0	115%	78 - 126	6031173	NPC0235-17	03/09/06 08:35
Surrogate: 4-Bromofluorobenzene		57.5		ug/L	50.0	115%	78 - 126	6031173	NPC0235-17	03/09/06 08:35
6031217-MS1										
Tert-Amyl Methyl Ether	1.27	51.5		ug/L	50.0	100%	45 - 155	6031217	NPC0235-05	03/08/06 21:33
Benzene	0.320	48.0		ug/L	50.0	95%	71 - 137	6031217	NPC0235-05	03/08/06 21:33
Ethanol	ND	4290		ug/L	5000	86%	36 - 177	6031217	NPC0235-05	03/08/06 21:33
Ethyl tert-Butyl Ether	ND	50.1		ug/L	50.0	100%	57 - 148	6031217	NPC0235-05	03/08/06 21:33
Diisopropyl Ether	ND	49.3		ug/L	50.0	99%	67 - 143	6031217	NPC0235-05	03/08/06 21:33
Ethylbenzene	2.32	52.7		ug/L	50.0	101%	72 - 139	6031217	NPC0235-05	03/08/06 21:33

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
6031217-MS1										
Methyl tert-Butyl Ether	0.530	51.3		ug/L	50.0	102%	55 - 152	6031217	NPC0235-05	03/08/06 21:33
Toluene	1.79	59.0		ug/L	50.0	114%	73 - 133	6031217	NPC0235-05	03/08/06 21:33
Tertiary Butyl Alcohol	5.27	645		ug/L	500	128%	19 - 183	6031217	NPC0235-05	03/08/06 21:33
Xylenes, total	6.31	155		ug/L	150	99%	70 - 143	6031217	NPC0235-05	03/08/06 21:33
<i>Surrogate: 1,2-Dichloroethane-d4</i>		50.5		ug/L	50.0	101%	70 - 130	6031217	NPC0235-05	03/08/06 21:33
<i>Surrogate: 1,2-Dichloroethane-d4</i>		50.5		ug/L	50.0	101%	70 - 130	6031217	NPC0235-05	03/08/06 21:33
<i>Surrogate: Dibromofluoromethane</i>		50.1		ug/L	50.0	100%	79 - 122	6031217	NPC0235-05	03/08/06 21:33
<i>Surrogate: Dibromofluoromethane</i>		50.1		ug/L	50.0	100%	79 - 122	6031217	NPC0235-05	03/08/06 21:33
<i>Surrogate: Toluene-d8</i>		56.6		ug/L	50.0	113%	78 - 121	6031217	NPC0235-05	03/08/06 21:33
<i>Surrogate: Toluene-d8</i>		56.6		ug/L	50.0	113%	78 - 121	6031217	NPC0235-05	03/08/06 21:33
<i>Surrogate: 4-Bromofluorobenzene</i>		55.6		ug/L	50.0	111%	78 - 126	6031217	NPC0235-05	03/08/06 21:33
<i>Surrogate: 4-Bromofluorobenzene</i>		55.6		ug/L	50.0	111%	78 - 126	6031217	NPC0235-05	03/08/06 21:33
6031365-MS1										
Tert-Amyl Methyl Ether	ND	46.1		ug/L	50.0	92%	45 - 155	6031365	NPC0401-09	03/10/06 19:34
Ethyl tert-Butyl Ether	ND	46.0		ug/L	50.0	92%	57 - 148	6031365	NPC0401-09	03/10/06 19:34
Diisopropyl Ether	ND	48.7		ug/L	50.0	97%	67 - 143	6031365	NPC0401-09	03/10/06 19:34
Methyl tert-Butyl Ether	ND	48.0		ug/L	50.0	96%	55 - 152	6031365	NPC0401-09	03/10/06 19:34
Tertiary Butyl Alcohol	42.2	545		ug/L	500	101%	19 - 183	6031365	NPC0401-09	03/10/06 19:34
<i>Surrogate: 1,2-Dichloroethane-d4</i>		52.5		ug/L	50.0	105%	70 - 130	6031365	NPC0401-09	03/10/06 19:34
<i>Surrogate: Dibromofluoromethane</i>		51.5		ug/L	50.0	103%	79 - 122	6031365	NPC0401-09	03/10/06 19:34
<i>Surrogate: Toluene-d8</i>		59.8		ug/L	50.0	120%	78 - 121	6031365	NPC0401-09	03/10/06 19:34
<i>Surrogate: 4-Bromofluorobenzene</i>		58.9		ug/L	50.0	118%	78 - 126	6031365	NPC0401-09	03/10/06 19:34
Purgeable Petroleum Hydrocarbons										
6031115-MS1										
GRO as Gasoline	17.5	1040		ug/L	1000	102%	43 - 146	6031115	NPC0235-01	03/07/06 02:34
<i>Surrogate: a,a,a-Trifluorotoluene</i>		27.5		ug/L	30.0	92%	63 - 134	6031115	NPC0235-01	03/07/06 02:34

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters											
6030488-MSD1 Nitrate as N	ND	6.37		mg/L	6.00	106%	90 - 110	2	20	6030488	NPC0231-01 03/02/06 21:59
6030528-MSD1 Iron, ferrous	4.04	5.15		ug/mL	1.00	111%	75 - 125	1	20	6030528	NPC0231-01 03/02/06 22:04
6030573-MSD1 Sulfate	765	13.4		mg/L	10.0	-7520%	42 - 152	0.7	10	6030573	NPC0235-01 03/06/06 09:58
Volatile Organic Compounds by EPA Method 8260B											
6031173-MSD1 Tert-Amyl Methyl Ether	ND	50.1		ug/L	50.0	100%	45 - 155	6	24	6031173	NPC0235-17 03/09/06 08:58
Benzene	ND	47.7		ug/L	50.0	95%	71 - 137	6	23	6031173	NPC0235-17 03/09/06 08:58
Ethanol	ND	5360		ug/L	5000	107%	36 - 177	25	45	6031173	NPC0235-17 03/09/06 08:58
Ethyl tert-Butyl Ether	ND	49.2		ug/L	50.0	98%	57 - 148	5	22	6031173	NPC0235-17 03/09/06 08:58
Diisopropyl Ether	ND	48.4		ug/L	50.0	97%	67 - 143	4	22	6031173	NPC0235-17 03/09/06 08:58
Ethylbenzene	ND	53.1		ug/L	50.0	106%	72 - 139	4	23	6031173	NPC0235-17 03/09/06 08:58
Methyl tert-Butyl Ether	ND	48.9		ug/L	50.0	98%	55 - 152	6	27	6031173	NPC0235-17 03/09/06 08:58
Toluene	ND	58.8		ug/L	50.0	118%	73 - 133	5	25	6031173	NPC0235-17 03/09/06 08:58
Tertiary Butyl Alcohol	ND	682		ug/L	500	136%	19 - 183	6	39	6031173	NPC0235-17 03/09/06 08:58
Xylenes, total	ND	156		ug/L	150	104%	70 - 143	5	27	6031173	NPC0235-17 03/09/06 08:58
Surrogate: 1,2-Dichloroethane-d4		49.7		ug/L	50.0	99%	70 - 130			6031173	NPC0235-17 03/09/06 08:58
Surrogate: 1,2-Dichloroethane-d4		49.7		ug/L	50.0	99%	70 - 130			6031173	NPC0235-17 03/09/06 08:58
Surrogate: Dibromofluoromethane		50.1		ug/L	50.0	100%	79 - 122			6031173	NPC0235-17 03/09/06 08:58
Surrogate: Dibromofluoromethane		50.1		ug/L	50.0	100%	79 - 122			6031173	NPC0235-17 03/09/06 08:58
Surrogate: Toluene-d8		57.9		ug/L	50.0	116%	78 - 121			6031173	NPC0235-17 03/09/06 08:58
Surrogate: Toluene-d8		57.9		ug/L	50.0	116%	78 - 121			6031173	NPC0235-17 03/09/06 08:58
Surrogate: 4-Bromofluorobenzene		57.4		ug/L	50.0	115%	78 - 126			6031173	NPC0235-17 03/09/06 08:58
Surrogate: 4-Bromofluorobenzene		57.4		ug/L	50.0	115%	78 - 126			6031173	NPC0235-17 03/09/06 08:58
6031217-MSD1 Tert-Amyl Methyl Ether	1.27	51.5		ug/L	50.0	100%	45 - 155	0	24	6031217	NPC0235-05 03/08/06 21:57
Benzene	0.320	49.0		ug/L	50.0	97%	71 - 137	2	23	6031217	NPC0235-05 03/08/06 21:57
Ethanol	ND	5320		ug/L	5000	106%	36 - 177	21	45	6031217	NPC0235-05 03/08/06 21:57
Ethyl tert-Butyl Ether	ND	51.0		ug/L	50.0	102%	57 - 148	2	22	6031217	NPC0235-05 03/08/06 21:57
Diisopropyl Ether	ND	50.9		ug/L	50.0	102%	67 - 143	3	22	6031217	NPC0235-05 03/08/06 21:57
Ethylbenzene	2.32	54.2		ug/L	50.0	104%	72 - 139	3	23	6031217	NPC0235-05 03/08/06 21:57
Methyl tert-Butyl Ether	0.530	51.8		ug/L	50.0	103%	55 - 152	1	27	6031217	NPC0235-05 03/08/06 21:57
Toluene	1.79	60.7		ug/L	50.0	118%	73 - 133	3	25	6031217	NPC0235-05 03/08/06 21:57
Tertiary Butyl Alcohol	5.27	682		ug/L	500	135%	19 - 183	6	39	6031217	NPC0235-05 03/08/06 21:57
Xylenes, total	6.31	159		ug/L	150	102%	70 - 143	3	27	6031217	NPC0235-05 03/08/06 21:57
Surrogate: 1,2-Dichloroethane-d4		49.0		ug/L	50.0	98%	70 - 130			6031217	NPC0235-05 03/08/06 21:57
Surrogate: 1,2-Dichloroethane-d4		49.0		ug/L	50.0	98%	70 - 130			6031217	NPC0235-05 03/08/06 21:57

Client ETIC Engineering Pasadena (10324)
 2774 East Walnut Street
 Pasadena, CA 91107
 Attn Patrick McCullough

Work Order: NPC0235
 Project Name: Exxon(06) 18-HE1 PO:4507034191
 Project Number: 18-HE1
 Received: 03/02/06 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD Limit	Batch	Sample Duplicated	Analyzed Date/Time	
Volatile Organic Compounds by EPA Method 8260B												
6031217-MSD1												
Surrogate: Dibromofluoromethane	49.3			ug/L	50.0	99%	79 - 122		6031217	NPC0235-05	03/08/06 21:57	
Surrogate: Dibromofluoromethane	49.3			ug/L	50.0	99%	79 - 122		6031217	NPC0235-05	03/08/06 21:57	
Surrogate: Toluene-d8	57.0			ug/L	50.0	114%	78 - 121		6031217	NPC0235-05	03/08/06 21:57	
Surrogate: Toluene-d8	57.0			ug/L	50.0	114%	78 - 121		6031217	NPC0235-05	03/08/06 21:57	
Surrogate: 4-Bromofluorobenzene	55.6			ug/L	50.0	111%	78 - 126		6031217	NPC0235-05	03/08/06 21:57	
Surrogate: 4-Bromofluorobenzene	55.6			ug/L	50.0	111%	78 - 126		6031217	NPC0235-05	03/08/06 21:57	
6031365-MSD1												
Tert-Amyl Methyl Ether	ND	43.0		ug/L	50.0	86%	45 - 155	7	24	6031365	NPC0401-09	03/10/06 19:58
Ethyl tert-Butyl Ether	ND	43.6		ug/L	50.0	87%	57 - 148	5	22	6031365	NPC0401-09	03/10/06 19:58
Diisopropyl Ether	ND	46.0		ug/L	50.0	92%	67 - 143	6	22	6031365	NPC0401-09	03/10/06 19:58
Methyl tert-Butyl Ether	ND	44.8		ug/L	50.0	90%	55 - 152	7	27	6031365	NPC0401-09	03/10/06 19:58
Tertiary Butyl Alcohol	42.2	540		ug/L	500	100%	19 - 183	0.9	39	6031365	NPC0401-09	03/10/06 19:58
Surrogate: 1,2-Dichloroethane-d4	50.7			ug/L	50.0	101%	70 - 130		6031365	NPC0401-09	03/10/06 19:58	
Surrogate: Dibromofluoromethane	50.6			ug/L	50.0	101%	79 - 122		6031365	NPC0401-09	03/10/06 19:58	
Surrogate: Toluene-d8	60.2			ug/L	50.0	120%	78 - 121		6031365	NPC0401-09	03/10/06 19:58	
Surrogate: 4-Bromofluorobenzene	59.6			ug/L	50.0	119%	78 - 126		6031365	NPC0401-09	03/10/06 19:58	
Purgeable Petroleum Hydrocarbons												
6031115-MSD1												
GRO as Gasoline	17.5	1030		ug/L	1000	101%	43 - 146	1	27	6031115	NPC0235-01	03/07/06 03:07
Surrogate: <i>a,a,a</i> -Trifluorotoluene		27.5		ug/L	30.0	92%	63 - 134		6031115	NPC0235-01	03/07/06 03:07	

Client ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn Patrick McCullough

Work Order: NPC0235
Project Name: Exxon(06) 18-HE1 PO:4507034191
Project Number: 18-HE1
Received: 03/02/06 08:00

CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
EPA 310.1	Water	N/A	X	X
EPA 353.2	Water	N/A	X	X
NA	Water			
RSK 175	Water	N/A	X	
SM 3500Fe D	Water			
SW846 8015B	Water	N/A	X	
SW846 8260B	Water	N/A	X	X
SW846 9038	Water	N/A	X	N/A

Client ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn Patrick McCullough

Work Order: NPC0235
Project Name: Exxon(06) 18-HE1 PO:4507034191
Project Number: 18-HE1
Received: 03/02/06 08:00

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

<u>Method</u>	<u>Matrix</u>	<u>Analyte</u>
SM 3500Fe D	Water	Iron, ferrous
SW846 8260B	Water	Diisopropyl Ether

Client ETIC Engineering Pasadena (10324)
2774 East Walnut Street
Pasadena, CA 91107
Attn Patrick McCullough

Work Order: NPC0235
Project Name: Exxon(06) 18-HE1 PO:4507034191
Project Number: 18-HE1
Received: 03/02/06 08:00

DATA QUALIFIERS AND DEFINITIONS

- H3** Sample was received and analyzed past holding time.
HTI The holding time for this test is immediate. The laboratory measurement, therefore, may not be suitable for compliance purposes.
M3 Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
M4 The sample required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
Z10 Surrogate outside laboratory historical limits but within method guidelines. No effect on data.

METHOD MODIFICATION NOTES

TestAmerica

INCORPORATED

Nashville Division CHAIN OF CUSTODY RECORD
 2960 Foster Creighton Toll Free: 800-765-0980
 Nashville, TN 37204 Fax: 615-726-3404

Consultant Name: ETIC Engineering Inc.

Address: 2774 East Walnut Street

City/State/Zip: Pasadena, Ca. 91107

ExxonMobil Project Mgr: Maria Guensler

Consultant Project Mgr: John Haberland

Consultant Telephone Number: (626) 432-5999 Fax No.: (626) 432-5998

Sampler Name: (Print) Mike Blackwell

Sampler Signature: 

Special Instructions: ~~DO NOT OXIDIZE~~

RUSH SAMPLES ~~DO NOT OXIDIZE~~

OXYGENATES INCLUDE: MTBE, DIPE, TBA, TAME, AND ETBE.

"PLEASE USE OCCHA DETECTION LIMITS ONLY, SEE ATTACHMENT- OR CALL ETIC

ENGINEERING FOR PROPER CLARIFICATION."

TA Account # 10324

Invoice To: Maria Guensler (Exxon Mobil TM)

Report To: Patrick McCullough

PO # 4507034191

Facility ID # 18-HE1

Site Address 1465 South Main Street

City, State, Zip Santa Ana, CA

Regulatory District (CA) OCHCA/RWQCB-SAR

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Preservative	Matrix	Analyze For:	RUSH TAT (Pre-Schedule)									
							STD TAT	TAT request (in Bus. Days)	Fax Results	Site Specific						
MW-1	3/16/06	10:00	10	HNO ₃ (Red Label)	Soil	Methane	10-5	10-5	X	-0-3	X	X	X	X	X	X
MW-2	3/16/06	10:00	10	HNO ₃ (Red Label)	Soil	Alkalinity	10-5	10-5	X	-0-3	X	X	X	X	X	X
MW-3	3/16/06	10:00	6	HNO ₃ (Red Label)	Soil	Ferrous Iron	10-5	10-5	X	-0-3	X	X	X	X	X	X
MW-5	3/16/06	10:00	6	HNO ₃ (Red Label)	Soil	Nitrates	10-5	10-5	X	-0-3	X	X	X	X	X	X
MW-6	3/16/06	10:00	10	HNO ₃ (Red Label)	Soil	Other (Specify):	10-5	10-5	X	-0-3	X	X	X	X	X	X
MW-7	3/16/06	10:00	6	HNO ₃ (Red Label)	Soil	TPH-g. (8015M)	10-5	10-5	X	-0-3	X	X	X	X	X	X
MW-8	3/16/06	10:00	6	HNO ₃ (Red Label)	Soil	BTEX & OXY-S. (8260B)	10-5	10-5	X	-0-3	X	X	X	X	X	X
MW-9	3/16/06	10:00	6	HNO ₃ (Red Label)	Soil	Drinking Water	10-5	10-5	X	-0-3	X	X	X	X	X	X
MW-10	3/16/06	10:00	6	HNO ₃ (Red Label)	Soil	Groundwater	10-5	10-5	X	-0-3	X	X	X	X	X	X
MW-11	3/16/06	10:00	6	HNO ₃ (Red Label)	Soil	Sludge	10-5	10-5	X	-0-3	X	X	X	X	X	X
MW-12	3/16/06	10:00	6	HNO ₃ (Red Label)	Soil	Other (Specify):	10-5	10-5	X	-0-3	X	X	X	X	X	X
						None (Black Label)	10-5	10-5	X	-0-3	X	X	X	X	X	X
						H ₂ SO ₄ , Plastic (Yellow Label)	10-5	10-5	X	-0-3	X	X	X	X	X	X
						H ₂ SO ₄ , Glass (Yellow Label)	10-5	10-5	X	-0-3	X	X	X	X	X	X
						NaOH (Blue Label)	10-5	10-5	X	-0-3	X	X	X	X	X	X
						LiCl	10-5	10-5	X	-0-3	X	X	X	X	X	X
						Composite	10-5	10-5	X	-0-3	X	X	X	X	X	X
						Grab	10-5	10-5	X	-0-3	X	X	X	X	X	X
						Field Filtered	10-5	10-5	X	-0-3	X	X	X	X	X	X
						No. of Containers Shipped	10-5	10-5	X	-0-3	X	X	X	X	X	X
						Time Sampled	10-5	10-5	X	-0-3	X	X	X	X	X	X
						Date Sampled	10-5	10-5	X	-0-3	X	X	X	X	X	X
						Preservative	10-5	10-5	X	-0-3	X	X	X	X	X	X
						Matrix	10-5	10-5	X	-0-3	X	X	X	X	X	X
						Analyze For:	10-5	10-5	X	-0-3	X	X	X	X	X	X

Laboratory Comments:

Temperature Upon Receipt: -0.3 C
 Sample Containers Intact?

VOCs Free of Headspace?
 N Y
 VOC Deliverables (please circle one)
 Level 2 Level 3
 Level 4 Site Specific -

Relinquished by:	Date	Time Received by:	Date	Time	Date	Time	Date	Time
	3/16/06	12:00	3/16/06	12:00	3/16/06	12:00	3/16/06	12:00
	3/16/06	16:00	3/16/06	16:00	3/16/06	16:00	3/16/06	16:00

WestAmerica

INCORPORATED

Nashville Division CHAIN OF TRANSPORTATION RECORD
 2960 Foster Creighton Toll Free: 800-765-0980
 Nashville, TN 37204 Fax: 615-726-3404

Consultant Name: ETIC Engineering Inc.

Address: 2774 East Walnut Street

City/State/Zip: Pasadena, Ca. 91107

ExxonMobil Project Mgr: Marla Guensler

Consultant Telephone Number: (626) 432-5999

Fax No.: (626) 432-5998

Sampler Name: (Print) Mike Blackwell

Sampler Signature:

TA Account #: 10324

Invoice To: Marla Guensler (Exxon Mobil TM)

Report To: Patrick McCullough

PO #: 4507034191

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Site Address 1465 South Main Street

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Regulatory District (CA) OCHCA/RWQCB-SAR

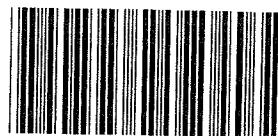
Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Composite	Preservative	Matrix	Analyze For:	
							RUSH TAT (Pre-Schedule)	STD TAT
MW-13	2/29/06	12:30	6	6	lsoe	HCl (Blue Label)	TPh-g-(8015M)	BTEX & OXY-S-(8260B)
MW-14	1/30/06	6	6	6	lsoe	HNO ₃ (Red Label)	H ₂ SO ₄ Plastic (Yellow Label)	ethanol (8260B)
MW-15	1/31/06	6	6	6	lsoe	NaOH (Orange Label)	H ₂ SO ₄ Glass (Yellow Label)	Soil
MW-16	1/4/06	6	6	6	lsoe	Field Filtered	Other (Specify):	Drinking Water
MW-17	1/4/06	6	6	6	lsoe	Grab	Other (Specify):	Groundwater
MW-18	1/5/06	6	6	6	lsoe	Composite	Other (Specify):	Wastewater
MW-19	1/5/06	6	6	6	lsoe	Date Sampled	Other (Specify):	Sludge
						No. of Containers Shipped	Other (Specify):	Drinking Water
						Time Sampled	Other (Specify):	Groundwater
						Preservative	Other (Specify):	Wastewater
						Matrix	Other (Specify):	Soil
						Analyze For:	Other (Specify):	ethanol (8260B)

**OXYGENATES INCLUDE: MTBE, DIPE, TBA, TAME, AND ETBE.
 PLEASE USE OCHCA DETECTION LIMITS ONLY, SEE ATTACHMENT- OR CALL ETIC
 ENGINEERING FOR PROPER CLARIFICATION."

Laboratory Comments:

Temperature Upon Receipt: -0.3°C
 Sample Containers Intact? N
 VOCs Free of Headspace?

Relinquished by:	Date	Time	Received by:	Date	Time	QC Deliverables (please circle one)
<i>John Hoberland</i>	2/29/06	12:00	<i>John Hoberland</i>	3/1/06	12:00	Level 2
<i>Mike Blackwell</i>	3/1/06	16:00	<i>John Hoberland</i>	3/2/06	8:00	Level 3



COOLER RECEIPT FORM

BC#

NPC0235

Client Name : ETIC Engineering, Inc.

Cooler Received/Opened On: 3/02/06 Accessioned By: James D. Jacobs


Log-in Personnel Signature

1. Temperature of Cooler when triaged: -0.3 Degrees Celsius
2. Were custody seals on outside of cooler? YES...NO...NA
3. a. If yes, how many and where: 1 Front
3. Were custody seals on containers? NO...YES...NA
4. Were the seals intact, signed, and dated correctly? YES...NO...NA
5. Were custody papers inside cooler? YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA
7. Did you sign the custody papers in the appropriate place? YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert
Ziplock baggies Paper Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)? YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA
12. Did all container labels and tags agree with custody papers? YES...NO...NA
13. Were correct containers used for the analysis requested? YES...NO...NA
14. a. Were VOA vials received? YES...NO...NA
- b. Was there any observable head space present in any VOA vial? NO...YES...NA
15. Was sufficient amount of sample sent in each container? YES...NO...NA
16. Were correct preservatives used? YES...NO...NA
- If not, record standard ID of preservative used here _____
17. Was residual chlorine present? NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:
9702

Fed-Ex

UPS

Velocity

DHL

Route

Off-street

Misc.

19. If a Non-Conformance exists, see attached or comments below:

Sample NonConformance/COC Revision Form

Initiated by:	JDJacobs	Phone:	NC Closed	<input checked="" type="checkbox"/>
Client Name:	Send to PM for Acc	Sample Range:	Date Closed	3/2/2006
Client Contact:		SDG:	NPC0235	
Client Account:	9176	Analyst:	71	
Date Created:	3/2/2006	Supervisor:	Paul Buckingham	
NC #:		NC Type:		
Project Name:	Exxonmobil 18-HE1	Terminal Manager:		
Project Number:				
Project Origin	CA			
Regulatory :				

Process: Samples submitted with Expired Holding Time	Corrected By: Andi Jones
Action: Corrected action not chosen	Closed: <input checked="" type="checkbox"/> glage

Process: Other NC/Process: See Comment Section Below	Corrected By: Andi Jones
Action: Corrected action not chosen	Closed: <input checked="" type="checkbox"/> glage

Comments: Comment added by: JDJacobs on 3/2/2006 12:08:24 PM
NC closed with out comments

Comment added by: glage on 3/2/2006 11:51:19 AM
Process Closed without Comment

Comment added by: glage on 3/2/2006 11:51:16 AM
Process Closed without Comment

Comment added by: jhatfield on 3/2/2006 11:34:33 AM
The rush comment was referring only to the short holds - per Pat McCullough of ETIC

The nitrate & ferrous Fe samples were received with such limited holding time, we were not able to get them analyzed within their 48-hr holding times. Please verify that the RUSH comment in the special instruction block is referring to the limited holding time and not the turn around for the project.